

October 14, 1998

Ms. Liza I. Montalvo Remedial Project Manager U. S. Environmental Protection Agency Kentucky/Tennessee Section Region IV 61 Forsyth Street Atlanta. GA 30303

Results of Groundwater Quality Monitoring - FY 00, Annual, Lees Lane Superfund Site, JeffersonCounty, Kentucky, Administrative Order on Consent, USEPA, Docket No. 91-32-C

Dear Ms. Montalvo:

In accordance with paragraph 11, under Reporting Requirement, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan for Post-Removal Site Control at the Lee's Lane Landfill Site, Section 4.4, Groundwater Quality Monitoring, attached for your information files is one photocopy each of the following analyses and reports prepared by Heritage Laboratories, Inc., 4925 Heller Street, Louisville, Kentucky 40218 for MSD.

### Certificate of Analysis

WELL LOCATION	SAMPLE <u>DESCRIPTION</u>	LAB <u>ID</u>	REPORT <u>LENGTH</u>
MW-02	LL-MW0225	A495443	8 pages
MW-04	LL-MW0425	A495441	8 pages
MW-04 DUP	LL-MW0525 DUP	A495444	8 pages
MW-05	LL-MW0525	A495442	8 pages
MW-B	LL-MWB25	A495445	8 pages
Field Blank	LLMW0425FB	A495440	8 pages



Louisville and Jefferson County Metropolitan Sewer District 700 West Liberty Street Louisville, Kentucky

40203-1913

502-540-6000

## U.S. EPA REGION IV

# SDMS

### POOR LEGIBILITY

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- 2. For light image page, decrease the brightness and increase the contrast.

\*\* PLEASE CONTACT THE APPROPRIATE RECORDS CENTER TO VIEW THE MATERIAL \*\*

Ms. Lisa Montalvo October 14, 1999 Page 2

### Quality Assurance Reports.

DESCRIPTION REPORT LENGTH

Quality Assurance Report 44 pages
Chain of Custody 1 page

The above identified Certificates of Analysis and Quality Assurance Reports were received by the undersigned on October 11, 1999 and are transmitted within the five (5) working day requirement of Paragraph 11 of the Consent Order.

The Chain of Custody indicates that samples were not taken from WMW-A. The lock and the dedicated pump head were missing. If additional information is needed regarding this incident, please contact Evelyn Clark, Sampling Supervisor in the Industrial Control and Monitoring Division at (502) 540-6916.

Sincerely

Director of Operations

CAN/dc

LeesgrouFY00-Annual

Enclosures

cc: Kentucky Natural Resource Environment Protection Cabinet

Mr. Rick Hogan. Division of Waste Management

Kentucky Natural Resource Environment Protection Cabinet

Mr. Jeff Pratt, Division of Waste Management

G. R. Garner, Executive Director, MSD

File WD-2 (Lee's Lane M&M)

bc: D. R. Sammons

P. Fitzgerald

### CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC	16-SEP-99		A495443
COMMERCIAL LABORATORY OPERATIONS	Complete	PO Nu	mber
7901 W. MORRIS ST.	29-SEP-99	DP 00151	1
INDIANAPOLIS, IN 46231	Printed	Sampl	.ed
(317)243-8304	29-SEP-99	16-SEP-99	14:04

Report To

Bill To

DAN SAMMONS, MFWTP IND. WASTE LABORATORY MS. KAREN SHORTE LOUISVILLE AND JEFFERSON COUNTY M.S.D. LOUISVILLE & JEFF P.O. BOX 740011 LOUISVILLE, KY 40201 LOUISVILLE, KY 40201

MS. KAREN SHORTE LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

Sample Description

CLIENT ID: LLMW0225

VOLATILE ORGANICS SW846-8240B Analyst: R. SHAMP Analysis Date: 21-S	EP-99 10:53 Instrument: GC/MS VO	A Test: 0510.3;0
Parameter	Result	Det. Limit Units
WET WEIGHT RESULTS		
ACETONE	BDL	20 ug/L
ACROLEIN	BDL	50   ug/L
ACRYLONITRILE	BDL	_70   ug/L
BENZENE	BDL	5.0 ug/L
BROMODICHLOROMETHANE	BDL	5.0 ug/L
BROMOFORM	BDL	5.0 ug/L
BROMOMETHANE	BDL	. 10 ug/L
CARBON DISULFIDE	BDL	5.0 ug/L
CARBON TETRACHLORIDE	BDL	5.0 ug/L
CHLOROBENZENE	BDL	5.0   ug/L
CHLOROETHANE	BDL	10   ug/L
CHLOROFORM	BDL	5.0 ug/L
CHLOROMETHANE	BDL	10 ug/L
DIBROMOCHLOROMETHANE	BDL	5.0   ug/L
CIS-1,3-DICHLOROPROPENE	BDL	5.0 ug/L
DICHLORODIFLUOROMETHANE	BDL	5.0 ug/L
1,1-DICHLOROETHANE	BDL	5.0 ug/L
1,2-DICHLOROETHANE	BDL	5.0   ug/L
1,1-DICHLOROETHENE	BDL	5.0 ug/L
1,2-DICHLOROPROPANE	BDL	5.0   ug/L
ETHYLBENZENE	BDL	5.0 ug/L
FLUOROTRICHLOROMETHANE	BDL	5.0 ug/L
2-HEXANONE	BDL	10 ug/L
METHYLENE CHLORIDE	BDL	5.0 ug/L
METHYL ETHYL KETONE	BDL	10 ug/L
4-METHYL-2-PENTANONE	BDL	10 ug/L
STYRENE	BDL	5.0 ug/L
1,1,2,2-TETRACHLOROETHANE	BDL	5.0 ug/L
TÉTRACHLOROETHENE	BDL	5.0 ug/L
TETRAHYDROFURAN	BDL	25   ug/L

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- c. of Client's failure to perform its obligations under this Agreement.

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### HERITAGE ENVIRONMENTAL SERVICES, LLC

### Sample ID: A495443 LLMW0225

Parameter	Result	Det. Limit	Units
TOLUENE	BDL	5.0	ug/L
1,2-DICHLOROETHENE (TOTAL)	BDL	5.0	ug/L
TRANS-1,3-DICHLOROPROPENE	BDL	5.0	ug/L
1,1,1-TRICHLOROETHANE	lander of the second of the se		ug/L
1,1,2-TRICHLOROETHANE	BDL .	5.0	ug/L
TRICHLOROETHENE		5.0	ug/L
VINYL ACETATE	BDL	10	ug/L
VINYL CHLORIDE	RDI	10	ug/L
XYLENE (TOTAL)	BDL	5.0	ug/L
SURROGATE RECOVERY			
DICHLOROETHANE-D4	122		% Rec
TOLUENE-D8	15100		% Rec
BROMOFLUOROBENZENE	106		% Rec
1:5 DILUTION			

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTI Analyst: P. SIMS Analysis Date: 23-SEP-99	ON SW846-3510B Instrument: PREP	Test: <b>P233.4.</b> (	)
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
INITIAL WEIGHT OR VOLUME	1000		πL
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL/ACID FRA Analyst: L. DOBBINS Analysis Date: 24-SEP-99 18: Prep: GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-	21 Instrument: GC/MS SVOA	Test: 050	5.3.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
ACENAPHTHENE	BDL		ug/L
ACENAPHTHYLENE	BDL	10	ug/L
ANTHRACENE	BDL		ug/L
BENZ (A) ANTHRACENE	BDL	10	ug/L
BENZO(A)PYRENE	BDL	10	ug/L
BENZO(B)FLUORANTHENE	BDL	10	ug/L
BENZO(G,H,I)PERYLENE	BDL	10	ug/L
BENZO(K)FLUORANTHENE	BDL	10	ug/L
BENZYL ALCOHOL	BDL	10	ug/L
BENZYLBUTYLPHTHALATE	BDL	10	ug/L
BIS(2-CHLOROETHOXY)METHANE	BDL	10	ug/L
BIS(2-CHLOROETHYL)ETHER	BDL	10	ug/L
BIS(2-CHLOROISOPROPYL)ETHER	BOL	10	ug/L
BIS(2-ETHYLHEXYL)PHTHALATE	10	10	ug/L
4-BROMOPHENYLPHENYLETHER	BDL	10	ug/L
CARBAZOLE	BDL	10	ug/L
4-CHLOROANILINE	BDL	10	ug/L
2-CHLORONAPHTHALENE	BDL	10	ug/L
4-CHLOROPHENYLPHENYLETHER	BOL	10	ug/L
CHRYSENE	BDL	10	ug/L
DIBENZ(A,H)ANTHRACENE	BDL	10	ug/L
DIBENZÔFÚRÁN	BDL	10	ug/L
1,2-DICHLOROBENZENE	BDL	10	ug/L

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Parameter	Result	Det. Limit	Units
1,3-DICHLOROBENZENE	BDL	10	ug/L
1,4-DICHLOROBENZENE	BDL	10	ug/L
3,3'-DICHLOROBENZIDINE	BDL	20	ug/L
DIETHYLPHTHALATE	BDL	īŏ	ug/L
DIMETHYLPHTHALATE	BDL	10	ug/L
DI-N-BUTYLPHTHALATE	BDL	io	ug/L
DINITROBENZENES	BDL	50	ug/L
2,4-DINITROTOLUENE	BDL	10	ug/L
2,6-DINITROTOLUENE	BDL	10	ug/L
DI-N-OCTYLPHTHALATE	BDL	io	ug/L
FLUORANTHENE	BDL	10	ug/L
FLUORENE	BDL	io	ug/L
HEXACHLOROBENZENE	BDL	10	
HEXACHLOROBUTADIENE	BDL	10	ug/L
	1		ug/L
HEXACHLOROCYCLOPENTADIENE HEXACHLOROETHANE	BDL	10	ug/L
	BDL	10	ug/L
INDENO(1,2,3-CD)PYRENE	BDL	10	ug/L
ISOPHORONE	BDL	10	ug/L
2-METHYLNAPHTHALENE	BDL	10	ug/L
NAPHTHALENE	BDL	10	ug/L
2-NITROANILINE	BDL	50	ug/L
3=NITROANILINE	BOL	50	ug/L
4-NITROANILINE	BDL	50	ug/L
NITROBENZENE	BDL	10	ug/L
N-NITROSO-DIPHENYLAMINE	BDL	10	ug/L
N-NITROSO-DI-N-PROPYLAMINE	BDL	10	ug/L
PHENANTHRENE	BDL	10	ug/L
2-PICOLINE	BDL	50	ug/L
PYRENE	BDL	10	ug/L
PYRIDINE	BDL	50	ug/L
1,2,4,5-TETRACHLOROBENZENE	BDL	10	ug/L
TOLUENEDIAMINE	BDL	50	ug/L
1,2,4-TRICHLOROBENZENE	BDL	: 10	ug/L
BENZOTC ACID	BDL	50	ug/L
4-CHLORO-3-METHYLPHENOL	BDL	10	ug/L
2-CHLOROPHENOL	BDL	10	ug/L
2,4-DICHLOROPHENOL	BDL	10	ug/L
2,4-DIMETHYLPHENOL	BDL	10	ug/L
4.6-DINITRO-2-METHYLPHENOL	BDL	. 50	ug/L
2,4-DINITROPHENOL		50	ug/L
2-METHYLPHENOL	BDL	10	ug/L
4-METHYLPHENOL		10	ug/L
2-NITROPHENOL	BDL	10	ug/L
4-NITROPHENOL	BDL	50	ug/L
PENTACHLOROPHENOL	BDL	50	ug/L
PHENOL	BDL	10	ug/L
1,2,4,5-TETRACHLOROBENZENE	BDL	10	ug/L
2,4,5-TRICHLOROPHENOL	BDL	50	ug/L
2,4,6-TRICHLOROPHENOL	BDL	10	ug/L
SURROGATE RECOVERY			
		· Anne ar Ware Art	war ar s warran e . v

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Parameter	Result	Det. Limit	Units
PHENOL-D5	25		% Rec
NITROBENZENE-D5			% Rec
2-FLUOROBIPHENYL	72		% Rec
2,4,6-TRIBROMOPHENOL	57		% Rec
TERPHENYL-D14	35		% Rec

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION Analyst: J. OELSLAGER Analysis Date: 20-SEP-99	SW846-3510B Instrument: PREP	Test: P233.1.(	)
` Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	10		mL

PCB/PESTICIDE SCAN GC:ECD SW846-8081 Analyst: L. JONES Analysis Date: 25-SEP-99 Prep: GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846	12:00 Instrument: GC/ECD -35108 P233.1.0	Test: 030	¥.1.0
Parameter	Result	Det. Limit	Units
WET. WEIGHT RESULTS			
ALPHA-BHC	BDL		ug/L
BETA-BHC	BDL	0.05	
DELTA-BHC	BDL	0.05	
GAMMA-BHC (LINDANE)	BDL	0.05	. , <b></b>
HEPTACHLOR	BDL	0.05	1 31
ALDRIN	BDL	0.05	L • ,
HEPTACHLOR EPOXIDE	BDL	0.05	
ENDOSULFAN I	BDL	0.05	🕶 🕶
DIELDRIN	BOL	0.1	
4,4'-UUL	BDL	0.1	
ENDRIN	BDL		ug/L
ENDOSULFAN II	BDL	0.1	
4,4/-DDD	BDL	0.1	31
ENDOSULFAN SULFATE	BDL	0.1	
4,4'-DDT	BDL	0.1	
METHOXYCHLOR	BDL	0.5	
ENDRIN ALDEHYDE	BOL		ug/L
ENDRIN KETONE	BDL	0.1	
ALPHA-CHLORDANE	BDL		ug/L
GAMMA-CHLORDANE	BDL	0.5	
TOXAPHENE	BDL	1	37
PCB AROCLOR 1016	BDL	0.5	
PCB AROCLOR 1221	8DL		ug/L
PCB AROCLOR 1232	BDL	0.5	
PCB AROCLOR 1242	BDL		ug/L
PCB AROCLOR 1248	BDL	0.5	
PCB AROCLOR 1254	BDL	1	
PCB AROCLOR 1260	BDL	1	ug/L
SURROGATE RECOVERY			
	63.6		% Rec

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Analyst: D. BUSCO Analysis Date: 17-SEP-99 10:0  Parameter	Result	Det. Limit	Units
IET WEIGHT RESULTS			
NITIAL WEIGHT OR VOLUME	50		mL
INAL WEIGHT OR VOLUME	50	L	l mL
LUMINUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:	4 Instrument: ICP	Test: M10	1.3.0
Prep: FAA OR TCP ACID DIGESTION OF AQUEOUS SAMPLES \$W846-3005			Units
Parameter VET WEIGHT RESULTS	Result	Det. Limit	Units
LUMINUM	BDL	0.050	mg/L
METANOIN YOR CHOIC COXOD			
NTIMONY ICP SW846-6010B	/ /	Test: M10	2 Z O
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005		PESCE MIG	6.2.0
Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS INTIMONY	BDL	0.030	ma /I
NATIONI	DUL	0.030	HIQ/L
ARIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:			
Analysis Date: 18-SEP-99 02:	4 Instrument: ICP	Test: M10	4.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SUB46-3005	T	Dec linia	United
Parameter VET WEIGHT RESULTS	Result	Det. Limit	Units
ARIUM	0.16	0.010	mg/L
		0000,404,000,000	
	4 Instruments ICD	1an <b>41</b> 0	530
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:		Test: M10	5.3.0
ERYLLIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005  Parameter		Test: M10	5.3.0 Units
Analyst: J. KRAMER Analysts Date: 18-5EP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACUEOUS SAMPLES SW846-3005.  Parameter ET WEIGHT RESULTS	P130:4:0 Result	Det. Limit	Units
Analyst: J. KRAMER Analysis Date: 18-5EP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ADDEOUS SAMPLES SW846-3005.	P130.4.0		Units
Analyst: J. KRAMER Analysis Date: 18-5EP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES SW846-3005. Parameter ET WEIGHT RESULTS ERYLLIUM	P130:4:0 Result	Det. Limit	Units
Analyst: J. KRAMER Analysts Date: 18-5EP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES SW846-3005.  Parameter ET WEIGHT RESULTS ERYLLIUM  ADMIUM ICP SW846-6010B	P130:4:0  Result  BDL	Det. Limit 0.0040	Units mg/L
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ADJECUS SAMPLES SW846-3005 Parameter ET WEIGHT RESULTS ERYLLIUM ADMIUM ICP SW846-6010B	Result  BDL  4 Instrument: ICP	Det. Limit 0.0040	Units
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter	Result  BDL  4 Instrument: ICP	Det. Limit 0.0040	Units
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS	Result  BDL  4 Instrument: ICP P130.4.0  Result	Det. Limit 0.0040 Test: M10	Units mg/L  8:3:0  Units
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS	Result  BDL  Instrument: ICP P130.4.0	Det. Limit 0.0040 Test: M10	Units mg/L  8:3:0  Units
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ADVEOUS SAMPLES SW846-3005/ Parameter ET WEIGHT RESULTS ERYLLIUM  ADMIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ADVEOUS SAMPLES SW846-3005/ Parameter ET WEIGHT RESULTS ADMIUM  ALCIUM ICP SW846-6010B	Result BDL  Instrument: ICP P130.4.0  Result  BDL	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050	Units mg/L  8:3:0  Units
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter ET WEIGHT RESULTS ERYLLIUM  ADMIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUEOUS SAMPLES SW846-3005.  Parameter ET WEIGHT RESULTS ADMIUM  ALCIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:	Result BDL  Instrument: ICP P130.4.0 Result BDL  A Instrument: ICP	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050	Units mg/L  8:3:0  Units mg/L
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005	Result  BDL  4 Instrument: ICP  P130.4:0  Result  BDL  4 Instrument: ICP  P130.4:0	Det. Limit	Units mg/L  B:3:0  Units mg/L  9:3:0
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005.  Parameter  Prep: FAA OR ICP ACID DIGESTION OF ACCUECUS SAMPLES SW846-3005.  Parameter	Result BDL  Instrument: ICP P130.4.0 Result BDL  A Instrument: ICP	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050	Units mg/L  8:3:0  Units mg/L
Analyst: J. KRAMER Analysts Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS	Result  BDL  4 Instrument: ICP P130.4:0  Result  BDL  4 Instrument: ICP P130.4:0  Result  BDL  Result	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050  Test: M10	Units mg/L  B:3:0  Units mg/L  9:3:0  Units
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCIDENCES SW846-3005.  Parameter  IET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCIDENCES SW846-3005.  Parameter  IET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF ACCIDENCES SW846-3005.  Parameter  Prep: FAA OR ICP ACID DIGESTION OF ACCIDENCES SW846-3005.  Parameter	Result  BDL  4 Instrument: ICP  P130.4:0  Result  BDL  4 Instrument: ICP  P130.4:0	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050  Test: M10	Units mg/L  B:3:0  Units mg/L  9:3:0
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005.  Parameter  ET WEIGHT RESULTS  ACIUM ICP SW846-6010B  Parameter  ET WEIGHT RESULTS  ALCIUM  HROMIUM ICP SW846-6010B	Result BDL  Instrument: ICP P130.4.0 Result BDL  A Instrument: ICP P130.4.0 Result BDL  Result 96.	Det. Limit  0.0040  Test: M100  Det. Limit  0.0050  Test: M100  Det. Limit	Units mg/L  B:3.0  Units mg/L  9:3.0  Units mg/L
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  APPREP: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/ Parameter  ET WEIGHT RESULTS  ALCIUM	Result BDL  4 Instrument: ICP P130.4.0  Result BDL  4 Instrument: ICP P130.4.0  Result 96.	Det. Limit  0.0040  Test: M10  Det. Limit  0.0050  Test: M10	Units mg/L  B:3.0  Units mg/L  9:3.0  Units mg/L

- 1. <u>Agreement-</u> To initiate services. Client must sign the Heritage Laboratory Services Quotation form and submit a written purchase order. Submittal of a purchase order and/or samples constitutes acceptance and acknowledgment by Client to be bound by this Agreement.
- 2. <u>Fees-</u> Heritage shall provide services at the prices stated in its Quotation. Heritage reserves the right to change prices after providing Client with a 30 day notification.
- 3. <u>Taxes-</u> Prices do not include taxes. It is the Client's responsibility to provide documentation to Heritage if the Client is exempt from tax liability.
- 4. Payment- Invoices are payable on receipt. All outstanding balances unpaid after 30 days of Client's receipt of invoices are subject to interest, either 1.5% per month or the amount permissible under applicable law.
- 5. <u>Samples</u>- Samples delivered to Heritage by others are taken 'as is'. Heritage makes no guarantee nor representation as to chain-of-custody prior to acceptance by Heritage. Heritage will not be responsible for exceeding holding times if the samples are not promptly delivered. All samples delivered on the weekends or after hours must be scheduled in advance.
- 6. <u>Sample Retention</u>- Samples and sample derivatives will be kept for 15 days after the report of analysis is made. Sample storage beyond 15 days is available at extra cost.
- 7. <u>Sample Analysis</u>- Heritage uses analytical methods which conform with the U.S. EPA, State Agency, American Society for Testing & Materials, Association of Official Analytical Chemists, Standard Methods for the Examination of Water and Wastewater or other recognized methodologies. Records of Heritage Laboratory procedures, including the Heritage Quality Assurance Program Plan, may be inspected by Clients.
- 8. <u>Sample Reports</u>- Heritage shall provide a written report of the results of its services which will include test results, detection limits, dates of analysis, the analyst, and analytical method references. Additional documentation and special reports are available for additional fees, but must be arranged prior to sample delivery.
- 9. <u>Confidentiality</u>- Heritage shall not disclose results or any other information provided by the Client to any third party, except where required by iaw. Heritage shall have no obligation to oppose any legal proceeding taken to obtain laboratory test results of confidential information.
- 10. Additional or Different Tasks- If additional analytical testing is necessary due to sample matrix interferences, multi-phase samples or any factor not disclosed to Heritage prior to its acceptance of the sample, the Client will be notified of the additional cost and will be given the opportunity to agree to the additional work or return of the sample.
- 11. <u>Cancellation</u>- If the Client cancels its order after the sample has been prepped and analyzed, the full fee in Heritage's quotation will apply. A \$25 cancellation fee will apply if a sample is delivered and accepted at the laboratory.
- 12. <u>Indemnification</u>- Client agrees to indemnify and hold harmless Heritage from all loss, damage, cost and expenses, including attorney fees from any suit, claim or action against Heritage or which names Heritage as a party because:
  - a. Heritage performed analysis or work for the Client.
  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

Parameter	Result	Det. Limit	Units
VET WEIGHT RESULTS			
HROMIUM	BDL	0.010	mg/L
COBALT ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99	02:14 Instrument: ICP	Test: #11	1.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES \$4846-	5005A P130.4.0		
Parameter WET WEIGHT RESULTS	Result	Det. Limit	Units
OBALT	BDL	0.010	ma/L
COPPER ICP SW846-6010B	02.57	Test: M11	) * n
Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3	02:14 Instrument: 1CP 3005A P130.4.0	iest: ain	443.0
Parameter	Result	Det. Limit	Units
NET WEIGHT RESULTS			
COPPER	BDL	0.020	mg/L
IRON ICP SW846-6010B			
Analyst: J. KRANER Analysis Date: 18-SEP-99	02:14 Instrument: ICP	Test: #115	5,3,0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SUB46-			
Parameter WEIGHT RESULTS	Result	Det. Limit	Units
REI WEIGHT RESULTS	-/s. <b>3.7</b>	0.025	ma/l
INOH		0.020	j. iigz. E
MAGNESIUM ICP SW846-6010B		T 1111	
MAGNESIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3	8005A P130.4.0		r <del></del> -
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SANTES SW846-3  Parameter A	5005A P130.4.0	Det. Limit	3.3.0 Units
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 16-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SU846-3  Perameter  NET WEIGHT RESULTS	5005A P130.4.0	Det. Limit	Units
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18:SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3 Parameter WET WEIGHT RESULTS MAGNESIUM	8005A P130.4.0	Det. Limit	Units
MAGNESIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3 PAIRMET WEIGHT RESULTS MAGNESIUM MANGANESE ICP SW846-6010B	Result 31	Det. Limit	Units mg/L
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18:SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3 Parameter WET WEIGHT RESULTS MAGNESIUM	31. Result 31. 02:14 Instrument: ICP	Det. Limit	Units mg/L
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SU846-3  Parameter  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter	31. Result 31. 02:14 Instrument: ICP	Det. Limit	Units mg/L
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION DE AQUEOUS SAMPLES SU846-3  Parameter  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS	02:14 Instrument: ICP Result Result Result Result	Det. Limit  O.20  Test: M135	Units  mg/L  9:3:0  Units
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION DE AQUEOUS SAMPLES SU846-3  Parameter  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS	02:14 Instrument: ICP	Det. Limit 0.20 Test: M115	Units  mg/L  9:3:0  Units
MAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE	02:14 Instrument: ICP Result Result Result Result	Det. Limit  O.20  Test: M135	Units  mg/L  9:3:0  Units
ANAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE  MICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99	02:14 Instrument: ICP  Result  02:14 Instrument: ICP  00:5A P130.4.0  Result  0.18	Det. Limit  O.20  Test: M135	Units mg/L  9.3.0  Units mg/L
AAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE  MICKEL ICP SW846-6010B	02:14 Instrument: ICP  Result  02:14 Instrument: ICP  00:5A P130.4.0  Result  0.18	Det. Limit  0.20  Test: #119  Det. Limit  0.010	Units mg/L  9.3.0  Units mg/L
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  WET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE  VICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter	02:14 Instrument: ICP  Result  02:14 Instrument: ICP  00:5A P130.4.0  Result  0.18	Det. Limit  0.20  Test: #119  Det. Limit  0.010	Units mg/L  9.3.0  Units mg/L
ANAGNESIUM ICP SW846-6010B  Analyst: J. KRAMER  Analyst: Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SU846-3  MET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER  Parameter  MET WEIGHT RESULTS  MANGANESE  Parameter  MET WEIGHT RESULTS  MANGANESE  NICKEL ICP SW846-6010B  Analyst: J. KRAMER  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS	02:14 Instrument: ICP 3005A P130.4.0 Result 0.18 02:14 Instrument: ICP 3005A P130.4.0 Result 0.18 Result	Det. Limit  O.20  Test: M115  Det. Limit  O.010  Test: M125	Units  Mg/L  P:3.0  Units  Mg/L  P:3.0  Units
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SU846-3  Parameter  MET WEIGHT RESULTS  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE  PARAMETER  PARAMETER  MICKEL ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER  Analyst: J. KRAMER  Analyst: J. KRAMER  Parameter  MICKEL ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER  Analyst: J. KRAMER  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  PARAMETER  PARAMETER  MET WEIGHT RESULTS	02:14 Instrument: ICP 8005A P130.4.0 Result 0.18 02:14 Instrument: ICP 8005A P130.4.0	Det. Limit	Units  mg/L  P:3.0  Units  mg/L  2:3.0  Units
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  MET WEIGHT RESULTS  MANGANESE ICP SW846-6010B  Analys: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MANGANESE  VICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MET WEIGHT RESULTS  MET WEIGHT RESULTS  MICKEL  POTASSIUM ICP SW846-6010B	02:14 Instrument: ICP 3005A P130.4.0 Result 0.18 02:14 Instrument: ICP 3005A P130.4.0 Result 0.18 BDL	Det. Limit  O.20  Test: M115  Det. Limit  O.010  Test: M125	Units  mg/L  P:3.0  Units  mg/L  2:3.0  Units
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER  Perp: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER  Parameter  MET WEIGHT RESULTS  ANALYST: J. KRAMER  Parameter  MET WEIGHT RESULTS  MANGANESE  MICKEL ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER  Analyst: J. KRAMER  Parameter  MET WEIGHT RESULTS  MANGANESE  MICKEL ICP SW846-6010B  Analyst: J. KRAMER  Parameter  MET WEIGHT RESULTS  MICKEL  POTASSIUM ICP SW846-6010B  Analyst: J. KRAMER  Analyst: J. KRAMER	02:14	Det. Limit  O.20  Test: M115  Det. Limit  O.010  Test: M125	Units mg/L  9.3.0  Units mg/L  2.3.0  Units mg/L
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3 WET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter WET WEIGHT RESULTS  MANGANESE  CICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3  Parameter WET WEIGHT RESULTS  MICKEL  POTASSIUM ICP SW846-6010B	02:14	Det. Limit  0.20  Test: M139  Det. Limit  0.010  Test: M122  Det. Limit  0.010	Units mg/L  9.3.0  Units mg/L  2.3.0  Units mg/L

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Sample I	D: A	495443	LLMW022	5
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Parameter	Result	Det. Limit	Units
IET WEIGHT RESULTS POTASSIUM	1.6	0,20	mg/L
ILVER ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:  Prep: FAA OR ICP ACID DISESTION OF ACUEOUS SAMPLES SW846-3005A		Test: #130	1,3,0
Parameter IET WEIGHT RESULTS	Result	Det. Limit	Units
ILVER	BDL	0.010	mg/L
ODIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:1  Prep: FAA OR ICP ACID DIGESTION OF AQUEQUS SAMPLES SW846-3005		Test: M131	.3.0
Parameter IET WEIGHT RESULTS	Result	Det. Limit	Units
ODIUM	10.	0.20	mg/L
ANADIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:1 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/		Test: M138	.3.0_
Parameter IET WEIGHT RESULTS /ANADIUM	Result BDL	Det. Limit 0.010	Units mg/L
INC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02: 18-	14 Instrument: ICP	Test: <b>M</b> 139	.3.0
Parameter   Parame	Result BDL	Det. Limit 0.020	Units mg/L
- 455 BA - 77 F CAN	Ja7		
RSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysts Date: 20-SEP-99 11:4  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3605A		Test: #103	-0.0
Parameter /ET WEIGHT RESULTS	Result	Det. Limit	Units
RSENIC	BDL	0.0050	IIIQ/ L
EAD TRACE ICP SN846-6010B  Analyst: G. MAPP  Analysts Date: 20-SEP-99 11:4  Prep: FAA OR ICP ACID DIGESTION OF ACCEPUS SAMPLES SW846-3005		Test: <b>M116</b>	.0.0
Parameter IET WEIGHT RESULTS EAD	Result BDL	Det. Limit 0.0050	Units
LINU.	ן פענ	0.0090	any/ L
ELENIUM TRACE ICP SW846-6010B Analyst: G. MAPP Analysis Date: 20-SEP-99 11:4 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005/		Test: M128	-0.0

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Sample ID: A495443 LLMW0225

Parameter	Result	Det. Limit	Units
WET-WEIGHT RESULTS	<b>.</b>		
SELENIUM	BDL	0.0050	mg/L

THALLIUM TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-99 11:43  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A		Test: #13	k.0.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	·		
THALLIUM	BOL	0.010	ma/L

MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES Analysts K. KAMARA Analysis Date: 20-SEP-99 17:00		Test: P13	1.6.0
Parameter	Resul t	Det. Limit	Units
WET WEIGHT RESULTS			
INITIAL WEIGHT OR VOLUME	100		mL
FINAL VOLUME	100	_	mL

MERCURY CVAA SW846-7470A  Analyst: R. DALAL Analysis Date: 21-SEP-99 12:56  Prep: MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES SW846-7470			Test: M12	0.1.0
Parameter	Result	_ ·	Det. Limit	Units
WET WEIGHT RESULTS				
MERCURY	BDL		0.00020	mg/L

CYANIDE DISTILLATION SW846-90 Analyst: P. HANLIN Analys	)10A sis Date: 19-SEP-99 16:	30 Instrument: PREP	Test: P101.4.0
Parameter	1 Brain and a	Rèsult	Det. Limit Units
WET WEIGHT RESULTS	ತ್ರಮ ಎಂತಿ∛ಕ ಸಂತಿ∌್ತ	and the same of the same	
INITIAL WEIGHT OR VOLUME		250	mL
FINAL VOLUME	The state of the s	250	mi_

CYANIDE, TOTAL (AUTOMATED) SW846-9012 Analyst: P. HANLIN Analysis Date: 19-SEP-99 18:4 Prep: CYANIDE DISTILLATION SW846-9010A P101.4.0	5 Instrument: AUTO-ANALYZER	Test: G10	1.4.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
CYANIDE	BDL	0.005	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice. Sample chain of custody number 87492.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

Approved: Px peuce

Page 8 (last page)

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#### CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC	_16-SEP-99		A495441
COMMERCIAL LABORATORY OPERATIONS	Complete	te PO Number	
7901 W. MORRIS ST.	29-SEP-99	DP 00151	131
INDIANAPOLIS, IN 46231	Printed	Sampl	ed
(317)243-8304	29-SEP-99	16-SEP-99	09:45

Report To

Bill To

188 (USA)

DAN SAMMONS, MFWTP IND. WASTE LABORATORY LOUISVILLE AND JEFFERSON COUNTY M.S.D. P.O. BOX 740011 LOUISVILLE, KY 40201 MS. KAREN SHORTE LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

Sample Description

CLIENT ID: LLMW0425

Analyst: R. SHAMP Analysis Date: 2		
Parameter	Result	Det. Limit Units
WET WEIGHT RESULTS	BDL	20 ug/L
ACETONE ACEDOLETN	BDL	
ACROLEIN ACRYLONITRILE	BDL	50   ug/L <b>20   u</b> g/L
ACRYLONITRILE BENZENE	BDL	
	BDL	
BROMODICHLOROMETHANE	BDL	
BROMOFORM Bromomethane	BDL	5.0   ug/L 10   ug/L
ONUTURE THANK	BDL	5.0 ug/L
CARBON DISULFIDE CARBON TETRACHLORIDE	BDL	5.0 ug/L
	BDL	
CHLOROBENZENE	BDL	5.0   ug/L 10   ug/L
CHLOROETHANE CHLOROFORM	BDL	5.0 ug/L
CHLOROFORM CHLOROMETHANE	BDL BDL	10 ug/L
DIBROMOCHLOROMETHANE	BDL	5.0 ug/L
	BDL	5.0 ug/L
CIS-1,3-DICHLOROPROPENE DICHLORODIFLUOROMETHANE	BDL	· · · · · · · · · · · · · · · · · · ·
	BDL	
1,1-DICHLOROETHANE	BDL	
1,2-DICHLOROETHANE	BDL	
1,1-DICHLOROETHENE	BDL	
1,2-DICHLOROPROPANE	BDL	5.0   ug/L 5.0   ug/L
ETHYLBENZENE FLUOROTRICHLOROMETHANE	BDL	
	BDL	5.0   ug/L 10   ug/L
2-HEXANONE METHYLENE CHLORIDE	BDL BDL	5.0 ug/L
METHYL ETHYL KETONE	BDL	3:0   ug/L 10   ug/L
	BDL	
4-METHYL-2-PENTANONE	BDL BDL	
STYRENE		
1,1,2,2-TETRACHLOROETHANE	BDL	
TETRACHLOROETHENE	BDL	5.0 ug/L
TETRAHYDROFURAN	BDL	25   ug/L

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### HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample	m.	<b>AAQ5441</b>	LLMW0425
Jailibie	10:	MAZOAAT	ししわせいサビジ

Parameter	Result	Det. Limit	Units
TOLUENE	BDL	5.0	ug/L
1,2-DICHLOROETHENE (TOTAL)	BDL	5.0	ug/L
TRANS-1,3-DICHLOROPROPENE	BDL	5.0	ug/L
1,1,1-TRICHLOROETHANE	BDL	5.0	ug/L
1,1,2-TRICHLOROETHANE	BDL	5.0	ug/L
TRICHLOROETHENE		5,0	ug/L
VINYL ACETATE	BDL	10	ug/L
VINYL CHLORIDE		10	ug/L
XYLENE (TOTAL)	BDL	5.0	ug/L
DICIU ODOCTUANE DA	104		
DICHLOROETHANE-D4	124 00		-% Rec
TOLUENE-D8  DDOMOGLUODORENZENE	98 87		% Kec
BROMOFLUOROBENZENE 1:5 DILUTION	0/	<u> </u>	% Rec
1:5 DILUTION	•		

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACT Analyst: P. SIMS Analysis Date: 23-SEP-99	ON SW846-3510B Instrument: PREP	Test: P233.4.0
Parameter	Result	Det. Limit 22 Units
WET WEIGHT RESULTS	17 15 16 17 17 17 18 1 C	
INITIAL WEIGHT OR VOLUME	1000	mL
FINAL VOLUME	1.0	l mL

Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
ACENAPHTHENE	BDL	10	
ACENAPHTHYLENE	BDL	10	ug/L
ANTHRACENE	BDL	10	ug/L
BENZ(A)ANTHRACENE	BDL	10	ug/L
BENZO(A)PYRENE	BDL	10	ug/L
BENZO(B) FLUORANTHENE	BDL	10	ug/L
BENZO(G,H,I)PERYLENE	BDL	10	ug/L
BENZO(K)FLUORANTHENE	BDL	10	ug/L
BENZYL ALCOHOL	BDL	10	ug/L
BENZYLBUTYLPHTHALATE	BDL	10	ug/L
BIS(2-CHLOROETHOXY)METHANE	BDL	10	ug/L
BIS(2-CHLOROETHYL)ÉTHER	BDL	10	ug/L
BIS(2-CHLOROISOPRÓPYL)ETHER	BDL	10	ug/L
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10	ug/L
4-BROMOPHENYLPHENYLETHER	BDL	10	ug/L
CARBAZOLE	BDL	10.	ug/L
4-CHLOROANILINE	BDL	10	ug/L
2-CHLORONAPHTHALENE	BDL	10	ug/L
4-CHLOROPHENYLPHENYLETHER	BDL	10	ug/L
CHRYSENE	BDL	10	ug/L
DIBENZ(A,H)ANTHRACENE	BDL	10	ug/L
DIBENZÒFÚRÁN	BDL	10	ug/L
1,2-DICHLOROBENZENE	BDL		ug/L

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Donoration	Result	Sample ID: A49544	Units	
Parameter 1,3-DICHLOROBENZENE	BDL	Det. Limit		
1,3-DICHLOROBENZENE	BDL		ug/L	
1,4-DICHLOROBENZENE			ug/L	
3,3'-DICHLOROBENZIDINE	BDL	20	ug/L	
DIETHYLPHTHALATE	BDL		ug/L	
DIMETHYLPHTHALATE	BDL	10	ug/L	
DI-N-BUTYLPHTHALATE	BDL	10	ug/L	
DINITROBENZENES	BDL	50	ug/L	
2,4-DINITROTOLUENE	BDL	10	ug/L	
2,6-DINITROTOLUENE	BDL	10	ug/L	
DÍ-N-OCTYLPHTHALATE	BDL		ug/L	
FLUORANTHENE	BDL	10	ug/L	
FLUORENE	BDL		ug/L	
HEXACHLOROBENZENE	BDL	10	ug/L	
HEXACHLOROBUTADIENE	BDL		ug/ L	
	BDL		ug/L	
HEXACHLOROCYCLOPENTADIENE		10	ug/L	
HEXACHLOROETHANE	BDL		ug/L	
INDENO(1,2,3-CD)PYRENE	BDL	10	ug/L	
ISOPHORONE	BDL		ug/L	
2-METHYLNAPHTHALENE	BDL	10	ug/L	
NAPHTHALENE	BDL	10	ug/L	
2-NITROANILINE	BDL	50	ug/L	
3-NITROANILINE	BDL BDL		ug/L	
4-NITROANILINE	BDL	50	ug/L	
NITROBENZENE	BDL	ĨŌ.	ug/L	
N-NITROSO-DIPHENYLAMINE		10	ug/L	
N-NITROSO-DI-N-PROPYLAMINE	BDL BDL			
B		10	ug/L	
			ug/L	
2-PICOLINE	BDL		ug/L	
PYRENE	BDL	10	ug/L	
PYRIDINE	BDL	50	ug/L	
1,2,4,5-TETRACHLOROBENZENE		10	ug/L	
TOLUENEDIAMINE	BDL		ug/L	
1,2,4-TRICHLOROBENZENE	BDL	10	ug/L	
BENZOIC ACID	BDL	50	ug/L	
4-CHLORO-3-METHYLPHENOL	BDL	10	ug/L	
2-CHLOROPHENOL	BDL		ug/L	
2,4-DICHLOROPHENOL	BDL	10	ug/L	
2,4-DIMETHYLPHENOL	BDL	10	ug/L	
4,6-DINITRO-2-METHYLPHENOL	BDL	50	ug/L ug/L	
2,4-DINITROPHENOL	BDL	50		
2-METHYLPHENOL	BDL	10	ug/L	
4-METHYLPHENOL	BDL	10		
2-NITROPHENOL	BDL	10	ug/L	
4-NITROPHENOL	BOL	50		
PENTACHLOROPHENOL	BDL	50	ug/L	
PHENOL	BDL	10		
1,2,4,5-TETRACHLOROBENZENE	BDL	10	ug/L	
2,4,5-TRICHLOROPHENOL	BDL	50	ug/L	
2,4,6-TRICHLOROPHENOL	BDL	10	ug/L	
C, T, O- INTOILUNOF ILIUL	טטג	10	49/ L	
CURROCATE DECOVERY			1	
SURROGATE RECOVERY				
2-FLUOROPHENOL	33		% Rec	

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### HERITAGE ENVIRONMENTAL SERVICES, LLC

### Sample ID: A495441 LLMW0425

	Parameter	Result	Det. Limit	Units
- .	PHENOL-D5	25		% Rec
				CONTRACTOR OF THE PROPERTY OF
	2-FLUOROBIPHENYL	76 -		% Rec
	2,4,6-TRIBROMOPHENOL	88		9/ DAA
	TERPHENYL-D14	47		% Rec

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION Analyst: J. OELSLAGER Analysis Date: 20:SEP-99	SW846-3510B Instrument: PREP	Test: <b>P233</b> .1.0
Parameter	Result	Det. Limit Units
WET WEIGHT RESULTS		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
INITIAL WEIGHT OR VOLUME	1000	mL
FINAL VOLUME	10	mL.

Parameter			Result	Det. Limit	Units
WET WEIGHT RESULTS					
ALPHA-BHC		BDL		0.05	ug/L
BETA-BHC	,	BDL		0.05	ug/L
DELTA-BHC		BDL			ug/L
GAMMA-BHC (LINDANE)	A STANDER		The state of the s	0.05	ug/L
HEPTACHLOR		BDL	12. 4 2.	0.05	
ALDRIN		BDL	14.14 14.5	0.05	ug/L
HEPTACHLOR EPOXIDE	12 12 E	BDL	a par	0.05	
ENDOSULFAN I	1 9194	I <del></del>		0.05	ug/L
DIELDRIN	آف عدد آمیس	BDL	1.1	0.1	ug/L
1,4'-DDE	4 Ty - 1 - 44	BDL	· · · · · · · · · · · · · · · · · · ·	0.1	ug/L
ENDRIN		BDL		0.1	······
ENDOSULFAN II		BDL		0.1	ug/L
4,47-DDD ENDOSULFAN SULFATE	مردان د	BDL BDL	1 1 2 m²	0.1 0.1	ug/L
4,4%-DDT		BDL			ug/L ug/L
METHOXYCHLOR	***************************************	BDL		0.5	ug/L ug/L
ENDRIN ALDEHYDE		BDL			ug/L ug/L
ENDRIN KETONE		BDL	•	0.1	ug/L ug/L
ALPHA-CHLORDANE		BDL			ug/L
GAMMA-CHLORDANE		BDL		0.5	ug/L
TOXAPHENE		BDL			
PCB AROCLOR 1016		BDL		0.5	ug/L
PCB AROCLOR 1221		BDL			ug/L
PCB AROCLOR 1232		BDL		0.5	ug/L
PCB AROCLOR 1242		BDL			ug/L
PCB AROCLOR 1248		BDL		0.5	ug/L
PCB AROCLOR 1254		BDL		1	
PCB AROCLOR 1260		BDL	* 2727	ern T	
SURROGATE RECOVERY				ा दुर्ग	4 8 <b>5</b> -
DECACHLOROBIPHENYL (DCB)		43.4	<b>,</b>		% Rec

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IERITAGE ENVIRONMENTAL SERVICES, LLC		ample ID: A4954	141 LLMWU4
AA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES Analyst: D. BUSCO Analysis Date: 17-SEP-99 10		Test: P13	0.4.0
Parameter IET WEIGHT RESULTS INITIAL WEIGHT OR VOLUME	Result 50	Det. Limit	Units 
INAL WEIGHT OR VOLUME	50	<u> </u>	ML
ALUMINUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 0  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30	2:09   Instrument: ICP 05A P130.4.0		Τ
Parameter VET WEIGHT RESULTS ALUMINUM	Result 0.078	Det. Limit 0.050	
ANTIMONY ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 0  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30	2:09 Instrument: ICP 05A P130.4.0		2,3,0
Parameter WET WEIGHT RESULTS	Result BDL	Det. Limit 0.030	Units
ANTIMONY	BUL	U.U3U	mg/L
BARIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18:SEP-99 0  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30		Test: MiO	4.3.0
Parameter WET WEIGHT RESULTS	Result	Det. Limit	Units
BARIUM	0.13	0.010	mg/L
BERYLLIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 0  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30	12:09 Instrument: ICP 105A P130:4:0	+ Test: #10	5.3.0
Parameter WET WEIGHT RESULTS BERYLLIUM	Result BDL	Det. Limit 0.0040	Units mg/L
CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 ( Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3(		Test: #1(	08.3.0
Parameter WET WEIGHT RESULTS CADMIUM	Result	Det. Limit 0.0050	Units ma/L
CALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 ( Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30	5m504035 00m60, m000, propintrascopped - 1,125 00m00000, - 4m60	Test: Mi	
Parameter WET WEIGHT RESULTS CALCIUM	Result	Det. Limit	
			* ***

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

### HERITAGE ENVIRONMENTAL SERVICES, LLC

Sample ID: A495441 LLMW0425

Parameter ET WEIGHT RESULTS	Result	Det. Limit	Units
HROMIUM	BDL	0.010	mg/L
OBALT ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-1		Test: K111	
Parameter IET WEIGHT RESULTS OBALT	Result BDL	Det. Limit 0.010	Units mg/L
OPPER ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-			2.3.0
Parameter VET WEIGHT RESULTS COPPER	Result	Det. Limit 6	Units ma/i
RON ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	02:09 Instrument: ICP		
Parameter	Result		Units
IET WEIGHT RESULTS	6.4	0.025	mg/L
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	02:09 Instrument: ICP 3005A P130.4:0	0.025	mg/L 8.3.0
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysia Date: 18-SEP-99	02:09	O.025 Test: Mile	mg/L
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS	02:09 Instrument: ICP 3005A P130.4:0 Result 42.	O.025 Test: Mile	mg/L 3.3.0 Units
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS	02:09	0.025  Test: Mili  Det. Limia  0.20  Test: Mili  Det. Limit	mg/L 3.3.0 Units mg/L 9.3.0
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  MET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter	02:09	0.025 Test: Mil	mg/L 3.3.0 Units mg/L 9.3.0
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS  MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS	02:09	0.025  Test: Mili  Det. Limia  0.20  Test: Mili  Det. Limit	mg/L s:3.0 Units mg/L units mg/L
RON  AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS  ANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS  ANGANESE  NICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter  NET WEIGHT RESULTS	02:09	0.025  Test: N119  Det. Limit  0.20  Test: N119  Det. Limit  0.010	mg/L  3.3.0  Units  mg/L  9.3.0  Units  mg/L
AGNESIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter NET WEIGHT RESULTS MAGNESIUM  MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-  Parameter MET WEIGHT RESULTS MANGANESE  VICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	02:09	0.025  Test: Mili  Det. Limit  0.20  Test: Mili  Det. Limit  0.010  Test: Mil	mq/L 3.3.0 Units mq/L 9.3.0 Units mq/L 2.3.0 Units

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Sample ID: A495441 LLMW0425

Parameter ET WEIGHT RESULTS	Result	Det. Limit	Units
OTASSIUM	3.1	0.20	ma/L
ILVER ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:0	09 Instrument: ICP	Test: #130	1.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005	A P130.4.0		
Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS	1 .		$r_i$
TLVER	BDL	0.010	mg/L
ODIUM ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:0	09   Instrument: ICP	Test: <b>H13</b> 1	.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005	A P130.4.0		
Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS			1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ODIUM	30.	0.20	
			en succe
ANADIUM ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:	09 Instrument: ICP	Test: M138	3.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005.	A P130.4.0		
Parameter	Result	Det. Limit	Units
IET WEIGHT RESULTS		•	
ANADIUM	BDL	0.010	mg/L
· · · · · · · · · · · · · · · · · · ·	and the same of the same of		
INC ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:	09 Instrument: ICP	Test: M139	2.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005	A P130.4.0		
Parameter VET WEIGHT RESULTS	Result	Det. Limit	Units
IET WEIGHT RESULTS	Applied After	•	Ĭ-,
INC	0.022	0.020	
ARSENIC TRACE ICP SW846-6010B			
Analyst: G. MAPP Analysis Date: 20-SEP-99 11:		Test: <b>M1</b> 03	3.0.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005	A P130.4.0		
Parameter	Result	Det. Limit	Units
NET WEIGHT RESULTS			
ARSENTC	0.013	0.0050	mg/L
			T. T
EAD TRACE ICP SW846-6010B			
Analyst: G. MAPP Analysis Date: 20-SEP-99 11:	35 Instrument: TRACE ICP	Test: #11	6.0.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005	5A P130.4.0		
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
		0.0050	mq/L
FAU		TARREST OF THE PARTY OF THE PAR	
<u>-EAD</u>	0.014	0.0000	
	1 0.014	1 0.0030	· · · · · · · · · · · · · · · · · · ·
SELENIUM TRACE ICP SW846-6010B		Test: M12	
SELENIUM TRACE ICP SW846-6010B	35 Instrument: TRACE ICP		
SELENIUM TRACE ICP SW846-6010B Analyst: G. MAPP Analysis Date: 20-SEP-99 11:	35 Instrument: TRACE ICP		

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### Sample ID: A495441 LLMW0425

Linguish on the party of the

Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
SELENIUM	BDL	0.0050	mg/L

THALLIUM TRACE ICP SW846-6010B  Analysis Date: 20-SEP-99 11:39  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	R (NACHARA BERKERKARIA) BARRA BA	Test: M13	4,0,0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	·		era Par
THALLIUM	BDL	0.010	ma/I

MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES Analyst: K. KAMARA Analysis Date: 20-SEP-99 17:00		Test: P13	1.6.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS		27 - 27 - 229 - 21	
INITIAL WEIGHT OR VOLUME	100		mL
FINAL VOLUME	100	-443	mL ***

MERCURY CVAA SW846-7470A  Analyst: R. DALAL Analysis Date: 21-SEP-99 12:50  Prep: MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES SW846-747	NOCOCCIO GALLERO (CONTROL CONTROL DE CONTROL	Test: M12	0.1.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
MERCURY	BUL	0.00020	mg/L

CYANIDE DISTILLATION SW846-9010 Analyst: P. HANLIN Analysis	) <b>A</b> Date: 19-SEP- <b>99</b> 16:30	Instrument:	PREP	Test: P10	1.4.0
Parameter WET WEIGHT RESULTS		- Result	4	Det. Limit	Units
INITIAL WEIGHT OR VOLUME FINAL VOLUME	100 A - 43	250 250			mL mL

CYANIDE, TOTAL (AUTOMATED) SW846-9012 Analyst: P. HANLIN Analysis Date: 19-SEP-99 18:4 Prep: CYANIDE DISTILLATION SW846-9010A P101.4.0	5 instrument; AUTO-ANALYZER	R Test: G101	1.4:0
Parameter	IN Analysis Date: 19-SEP-99 18:45 Instrument: AUTO-ANALYZER Test: G101.4.0  STILLATION SW846-9010A P101.4.0  Parameter Result Det. Limit Units		
WET WEIGHT RESULTS		·	
The type of the property of the control of the cont	dan baran dan dan dan dan dan dan dan dan dan d	0 005	w~/I

Sample Comments

BDL Below Detection Limit

Sample was received on ice. Sample chain of custody number 87492.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

Approved: RK purce

Page 8 (last page)

WHEN THE RESERVE

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#### CERTIFICATE 0 F ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC	16-SEP-99		A495444
COMMERCIAL LABORATORY OPERATIONS	Complete	PO Number	
7901 W. MORRIS ST.	04-0CT-99	DP 00151	
INDIANAPOLIS, IN 46231	Printed	Printed Sample	
(317)243-8304	05-0CT-99	16-SEP-99	09:55

Report To

Bill To

DAN SAMMONS, MEWTP IND. WASTE LABORATORY MS. KAREN SHORTE LOUISVILLE AND JEFFERSON COUNTY M.S.D. P.O. BOX 740011 LOUISVILLE, KY 40201

LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

ar minis

Sample Description

CLIENT ID: LLMWDUP25

Parameter	Result	Det. Limit Unit	8
ACETONE	BDL	20 ug/L	
ACROLEIN	BDL	50 ug/L	
ACRYLONITRILE	BDL	70 ug/L	
ENZENE	BDL	5 <u>0</u> ug/L	
ROMODICHLOROMETHANE	// BDL	5.0 ug/L	
ROMOFORM	BDL	540 ug/L	
ROMOMETHANE	BDL	10 ug/L	
ARBON DISULFIDE	BDL	5.0 ug/L	
ARBON TETRACHLORIDE	BDL	5.0   ug/L	
HLOROBENZENE	BDL	5.0 ug/L	
HLOROETHANE	BDL	10   ug/L	
CHLOROFORM	BDL	5.0 ug/L	
CHLOROMETHANE	BDL	10   ug/L	
DIBROMOCHLOROMETHANE	BDL	5.0 ug/L	
CIS-1,3-DICHLOROPROPENE	BDL	5.0   ug/L	
DICHLORODIFLUOROMETHANE	BDL	5.0 ug/L	
l,1-DICHLOROETHANE	BDL	5.0   ug/L	
1,2-DICHLOROETHANE	BDL	5.0 ug/L	
1,1-DICHLOROETHENE	BDL	5.0   ug/L	
1,2-DICHLOROPROPANE	BDL	5.0 ug/L	
ETHYLBENZENE	BDL	5.0   ug/L	
FLUOROTRICHLOROMETHANE	BDL	5.0 ug/L	
2-HEXANONE	BDL	10 ug/L	
METHYLENE CHLORIDE	BDL	5.0 ug/L	
METHYL ETHYL KETONE	BDL	`10 ug/L	
4-METHYL-2-PENTANONE	BDL	10 ug/L	
STYRENE	BDL	5.0 ug/L	
,1,2,2-TETRACHLOROETHANE	BDL	5.0 ug/L	
TETRACHLOROETHENE	BDL	5.0   ug/L	
TETRAHYDROFURAN	BDL	25 ug/L	
TOLUENE	BDL	5.0 ug/L	

## LABORATORY SERVICES

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### Sample ID: A495444 LLMWDUP25

Parameter	Result	Det. Limit	Units
1,2-DICHLOROETHENE (TOTAL)	BDL	5.0	ug/L
TRANS.	BDL	reconstruction of the second s	ug/L
1,1,1-TRICHLOROETHANE	BDL	5.0	ug/L
1,1,2-TRICHLOROETHANE	BDL		ug/L
TRICHLOROETHENE	BDL	5.0	ug/L
INTERIOR OF THE PORT OF THE PROPERTY OF THE PR		narra a finarra ann an ann airim <b>iri I</b>	ug/L
VINYL CHLORIDE	BDL	10	ug/L
XYLENE (TOTAL)	BDL	5.0	ug/L
• • •			
SURROGATE RECOVERY			
			9 Dac
	125		W.VCC
TOLUENE-D8			
BROMOFFOOROBENZENE			
1:5 DILUTION			

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTR Analyst: A. GERKE Analysis Date: 23-SEP-99	ACTION SW846-3510B	Test: <b>P233.4</b>	.0
Parameter INITIAL WEIGHT OR VOLUME	Result 1000	Det. Limit	Units ML
FINAL VOLUME Failed surrogate recovery criteria. Was r	1.0		mL

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTI Analyst: A. GERKE Analysis Date: 30-SEP-99	ON SW846-3510B Instrument: PREP	Test: P233.4,	1
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	1.0		mL

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL/ACID FR Analyst: L. DOBBINS Analysis Date: 01-0CT-99-17 Prep: GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846	:00 Instrument: GC/MS SVOA	Test: 050	5.3.0
Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	10	ug/L
ACENAPHTHYLENE	BDL	10	ug/L
ANTHRACENE	BDL	10	ug/L
BENZ (A) ANTHRACENE	BDL	10	ug/L
BENZO(A) PYRENE	BDL	10	ug/L
BENZO(B) FLUORANTHENE	BDL	10	ug/L
BENZO(G,H,I)PERYLENE	BDL	10	ug/L
BENZO(K) FLUORANTHENE	BDL	10	
BENZYL ALCOHOL	BDL	10	ug/L
BENZYLBUTYLPHTHALATE	BDL	10	
BIS(2-CHLOROETHOXY)METHANE	BDL	10	ug/L
BIS(2-CHLOROETHYL)ÉTHER	BDL	10	
BIS(2-CHLOROISOPRÓPYL)ETHER	BDL	10	
BIS(2=ETHYLHEXYL)PHTHÁLATE	BDL	10	
4-BROMOPHENYLPHENYLETHER	BDL	10	
CARBAZOLE	BDL	10	
4-CHLOROANILINE	BDL	10	
2-CHLORONAPHTHALENE	BDL	10	

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<del></del>			
Parameter	Result	Det. Limit	Units
4-CHLOROPHENYLPHENYLETHER	BDL	10	ug/L
CHRYSENE	BDL	10	
DIBENZ(A,H)ANTHRACENE	BDL	10	ug/L
	BDL		
DIBENZOFURAN		10	
1,2-DICHLOROBENZENE	BDL	10	ug/L
1,3-DICHLOROBENZENE	BDL	10	ug/L
1,4-DICHLOROBENZENE	BDL	10	ug/L
3,3'-DICHLOROBENZIDINE	BDL	20	
DIETHYLPHTHALATE	BDL	10	ug/L
DIMETHYLPHTHALATE	BDL	10	ug/L
DI-N-BUTYLPHTHALATE	BDL	10	ug/L
DINITROBENZENES	BDL	50	
2,4-DINITROTOLUENE	BDL	10	ug/L
2,6-DINITROTOLUENE	BDL	10	
DI-N-OCTYLPHTHALATE	BDL	· 10	ug/L
FLUORANTHENE	BDL	10	ug/L
FLUORENE	BDL	10	ug/L
HEXACHLOROBENZENE	BDL	l io	ug/L
HEXACHLOROBUTADIENE	BDL	10	ug/L
HEXACHLOROCYCLOPENTADIENE	BDL	10	
HEXACHLOROETHANE	BDL	10	ug/L
INDENO(1,2,3-CD)PYRENE	BDL	10	ug/L
ISOPHORONE	BDL	10	ug/L
2-METHYLNAPHTHALENE	BDL	ĺ	ug/ L
NAPHTHALENE	BDL	10	ug/L
2-NITROANILINE	BDL	-50	ug/L ·
3-NITROANILINE	BDL	50	ug/L
4-NITROANILINE	BDL	50	
NITROBENZENE	BDL	10	
N-NITROSO-DIPHENYLAMINE	BDL	10	
N-NITROSO-DI-N-PROPYLAMINE	BDL	10	
PHENANTHRENE	BDL	10	lug/L
2-PICOLINE	BDL	50	
PYRENE	BDL	10	
PYRIDINE	BDL		<b>O</b> ,
		50	
1,2,4,5-TETRACHLOROBENZENE	BDL	10	
TOLUENEDIAMINE	BDL	50	
1,2,4-TRICHLOROBENZENE	BDL	10	ug/L
BÉNZOIC ACID		, 50	
4-CHLORO-3-METHYLPHENOL	BDL   BDL		ug/L
2 CULODODUCKOL	BDI		
2-CHLOROPHENOL	BDL	10	
2,4-DICHLOROPHENOL	BDL		ug/L
2.4-DIMETHYLPHENOL	BDL	10	
4,6-DINITRO-2-METHYLPHENOL	BDL   BDL	50	ug/L
2,4-DINITROPHENOL	BDL	50	
2-METHYLPHENOL			1 42/ -
	BDL		ug/L
4-METHYLPHENOL	BDL	10	ug/L
2-NITROPHENOL	BDL BDL	10	ug/L
4-NITROPHENOL	BDL	50	ug/L
PENTACHLOROPHENOL	BOL		ug/L
PHENOL	BDL	10	
1,2,4,5-TETRACHLOROBENZENE	BDL		ug/L
2,4,5-TRICHLOROPHENOL	BDL	50	ug/L

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Heritage's liability associated with the performance of the work snall be limited to the reperformance of the work or refund of compensation received from the Client.

San San The

Side Telon

Parameter 2,4,6-TRICHLOROPHENOL	) Kesult	mple ID: A49	
	BDL	Det. Limi	10
			10   ug/(
nenue=05	55		
FLUORORIPHENVI	91		% Re
RPHENYL-D14	79		% Re
SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SERVICE SERVICE ANALYSIS DATE: 20-SERVICE SERVICE S	Sammer I Carried Man, to the con-		% Re

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRA  Analyst: J. OELSLAGER Analysis Date: 20-550	TION SWAME SELON		_ % Rec
INITIAL USTOUT Parameter	99 Instrument: PREP	Test: P233.1,	
FINAL VOLUME	Result 1000	Det. Limit	Units
PCB/PESTICIDE SCAN GC:ECD SW846-8081	10		mL

Prep: GC SEPARATORY FUNNE	arameter	5-SEP-99 12:34		Test: 030	5.1.0
BETA-BHC	Atti	Result	Det	Limit	T
DELTA-BHC		BDL		0.05	Unit
GAMMA BHC COTAIDANES		BDL		0.05	776 -
GAMMA-BHC (LINDANE) HEPTACHLOR		BDL		0.05	- 37 C
ALDRIN	Salarana .	BOL		0.05	ug/L
HEPTACHLOR EPOXIDE		BDL		0.05	
ENDOSULFAN I		BDL		0.05	ug/L
DIELDRIN		BDL		0.05	ug/L
4,4'-DDE	The Arthur Committee	BDL		0.05	ug/L
ENDRIN		BDL BDL		0.1	ug/L
ENDOSULFAN II	Allement III.	——————————————————————————————————————			ug/L
(		BDL			ug/L
NDOSULFAN SULFATE	Tana and the State of the State	BDL BDL		SSSSS AND AND A	ug/L
4'-DOT		BDL BDL			ug/L
TETHOXYCHLOR	Www.eeroon.com				ug/L
NDRIN ALDEHYDE		BDL		a - 1	ug/L
NDRIN KETONE	· Walter	BOL		0.5	ug/L
LPHA-CHLORDANE		BDL		0.1	49/ L
AMMA-CHLORDANE	and the second	BDL		0.1	ıg/L
OXAPHENE		BDL	}	0.5	IY/L
CB AROCLOR 1016	Althorate expression	BOL		0.5	ig/L
CR AKOCLOB 1221		BDL BDL		1 1	9/L
LB AROCI OR 1999	WWW. A. Too Living	BDL BDL		0.5	g/L
B AROCLOR 1242		BDL BDL		0.5 u	9/L
B AROCI OR 1940	Water the second se	BDL		33 Sec. 1940	g/L
R AROCIOR 12E4		BDL BDL		A = 1	g/L
B AROCLOR 1260		· BDL			g/L
•		80L		_	9/L 3/L
IRROGATE RECOVERY	Martin Ma	OUL		rus raceluită	
				* Jul	3/L
CACHLOROBIPHENYL (DC					
(DE	<b>B</b> }	37.6			

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Parameter	Result	Det. Limit Units
NITIAL WEIGHT OR VOLUME INAL WEIGHT OR VOLUME	50 50	mL mL
LUMINUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPL	18-SEP-99 02:17 Instrument: ICP ES SW846-3005A P130:4:0	Test: M101.3.0
Parameter LUMINUM	Result BDL	Det. Limit Units 0.050 mg/L
NTIMONY ICP SW846-6010B Analyst: J. KRAMER Analysis Dete: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPI	18-SEP-99 02:17 Instrument: ICP LES SW846-3005A P130.4.0	Test: <b>H102.3.</b> 0
Parameter NTIMONY	Result BDL	Det. Limit Units 0.030 mg/L
ARIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP	18-SEP-99 02:17   Instrument: ICP LES:SW846-3005A P130:4:0	Test: M104.3.0
Parameter BARIUM	Result 0.12	Det. Limit Units 0.010 mg/L
BERYLLIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEQUS SAMP Parameter	PLES SW846-3005A P130.4.0 Result	Test?_N105.3.0
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP	PLES SW846-3005A P130.4.0	
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP Parameter	Result BDL 18-SEP-99 02:17 Instrument: ICP	Det. Limit Units 0.0040 mg/L
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP Parameter BERYLLIUM  CADMIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date:	Result BDL 18-SEP-99 02:17 Instrument: ICP	Det. Limit Units 0.0040 mg/L
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  BERYLLIUM  CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP	Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result BDL  18-SEP-99 02:17 Instrument: ICP	Det. Limit Units 0.0040 mg/L  Test: M108:3:0
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  BERYLLIUM  CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  CADMIUM  CALCIUM ICP SW846-6010B  Analysis Date:	Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result BDL  18-SEP-99 02:17 Instrument: ICP	Det. Limit Units 0.0040 mg/L  Test: M108.3.0  Det. Limit Units 0.0050 mg/L
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  BERYLLIUM  CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAME  CADMIUM  CALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAME  Parameter  Parameter	Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result 120  Result 120	Det. Limit Units 0.0040 mg/L  Test: M108:3:0  Det. Limit Units 0.0050 mg/L  Test: M109:3:0
Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  BERYLLIUM  CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  CADMIUM  CALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP  Parameter  CALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: CALCIUM  CHROMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date	Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result BDL  18-SEP-99 02:17 Instrument: ICP PLES SW846-3005A P130.4.0  Result 120  Result 120	Det. Limit

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4.15

	SERVICES, LLC	Sampie	ID: A495444	LEMMDUFZ
COBALT		Result DL	Det. Limit 0.010	Units mg/L
	Analysis Date: 18-SEP-99 02:17 F OF AQUEOUS SAMPLES SW846-3005A P13		Test: H112.	.3.0
Paramet COPPER		Result BDL	Det. Limit 0.020	Units mg/L
	Analysis Date: 18-SEP-99 02:17 N:OF AQUEOUS SAMPLES SW846-3005A P13		Test: M115	.3.0
Paramet IRON		Result	Det. Limit 0.025	Units mg/L
	.OB Analysis Date: 18-SEP-99 02:17 N OF AQUEOUS SAMPLES SW846-3005A P13		Test: M118	.3.0
Paramet MAGNESIUM		Result 41.	Det. Limit 0.20	Units mg/L
	LOB Analysis Date: 18-SEP-99 02:17 N OF AQUEQUS SAMPLES SW846-3005A P1		Test: M119	.3.0
Parame MANGANESE		Result	Det. Limit 0.010	Units mg/L
			<del></del>	mg/ L
	Analysis Date: 18-SEP-99 02:17	Instrument: ICP	Test: M122	
Analyst: J. KRAMER	Analysis Date: 18-SEP-99 02:17 DN OF AQUEOUS SAMPLES SW846-3005A P1 ter	Instrument: ICP	<u>.</u>	2.3.0 Units
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER	Analysis Date: 18-SEP-99 02:17 ON OF AQUEOUS SAMPLES SW846-3005A P1 ter	Instrument: ICP 50.4.0  Result BDL  Instrument: ICP	Test:_#122	23.0 Units mg/L
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER	Analysis Date: 18-SEP-99 02:17 ON OF AQUEOUS SAMPLES SW846-3005A P1 ter  10B Analysis Date: 18-SEP-99 02:17 ON OF AQUEOUS SAMPLES SW846-3005A P1	Instrument: ICP 50.4.0  Result BDL  Instrument: ICP	Test: M122  Det. Limit 0.010	23.0 Units mg/L
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame POTASSIUM  SILVER ICP SW846-6010B Analyst: J. KRAMER	Analysis Date: 18-SEP-99 02:17  DN OF AQUEOUS SAMPLES SW846-3005A P1  ter  10B  Analysis Date: 18-SEP-99 02:17  DN OF AQUEOUS SAMPLES SW846-3005A P1	Instrument: ICP  30.4.0  Result  BDL  Instrument: ICP  30.4.0  Result  2.1	Test: M122  Det. Limit 0.010  Test: M124	Units mg/L 5.3.0 Units mg/L
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame POTASSIUM  SILVER ICP SW846-6010B Analyst: J. KRAMER	Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  ter  10B  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  eter  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1	Instrument: ICP  30.4.0  Result  BDL  Instrument: ICP  30.4.0  Result  2.1	Test: M122  Det. Limit	Units mg/L  S.3.0  Units mg/L  O.3.0  Units mg/L
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame POTASSIUM  SILVER ICP SW846-6010B Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame SILVER SILVER SODIUM ICP SW846-6010B Analyst: J. KRAMER SILVER	Analysis Date: 18-SEP-99 02:17  DN OF AQUEOUS SAMPLES SW846-3005A P1  ter  10B  Analysis Date: 18-SEP-99 02:17  DN OF AQUEOUS SAMPLES SW846-3005A P1  eter  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  eter	Instrument: ICP 50.4.0  Result  BDL  Instrument: ICP 30.4.0  Result 2.1  Instrument: ICP 30.4.0  Result BDL  Instrument: ICP	Test: M122  Det. Limit 0.010  Test: M122  Det. Limit 0.20  Test: M134	Units mg/L 5.3.0 Units mg/L 0.3.0
Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame NICKEL  POTASSIUM ICP SW846-60 Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame POTASSIUM  SILVER ICP SW846-6010B Analyst: J. KRAMER Prep: FAA OR ICP ACID DIGESTIC Parame SILVER SILVER SODIUM ICP SW846-6010B Analyst: J. KRAMER SILVER	Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  ter  10B  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  eter  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1  eter  Analysis Date: 18-SEP-99 02:17  ON OF AQUEOUS SAMPLES SW846-3005A P1	Instrument: ICP 50.4.0  Result  BDL  Instrument: ICP 30.4.0  Result 2.1  Instrument: ICP 30.4.0  Result BDL  Instrument: ICP	Test: M122  Det. Limit	Units mg/L  Units mg/L  Units mg/L  Units mg/L  Units mg/L

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ANADIUM	Parameter	Result BDL	Det. Limit Units 0.010 mg/L
INC ICP SW84	6-6010B		
Analyst: J. KRAME	R Analysis Date: 1 ACID DIGESTION OF AQUEOUS SAMPLE	8-SEP-99 02:17   Instrument: ICP ES SW846-3005A P130.4.0	Test: <b>#139.3.</b> 0
INC	Parameter	Result BDL	Det. Limit Units 0.020 mg/L
Analyst: G. MAPP	ICP SW846-6010B Analysis Date: 2 ACID DIGESTION OF AQUEOUS SAMPLE	20-SEP-99 11:54 Instrument: TRACE ICF ES SW846-3005A P130.4.0	? Test: <b>H103</b> .0.0
ARSENIC	Parameter	Result 0.010	Det. Limit Units 0.0050 mg/L
Analyst: G. MAPP	CP SW846-6010B Analysis Date: ACID DIGESTION OF AQUEOUS SAMPL	20-SEP-99 11:54   Instrument: TRACE IC ES SW846-3005A P130.4.0	P Test: <b>H116.</b> 0.0
_EAD	Parameter	Result BDL	Det. Limit Units 0.0050 mg/L
Analyst: G. MAPP	CE ICP SW846-6010B  Analysis Date:  ACID DIGESTION OF AQUEOUS SAMPL	20-SEP-99 11:54   Instrument: TRACE IC ES SW846-3005A P130.4.0	P Test: M128.0.0
SELENIUM	Parameter	Result BDL	Det. Limit Units 0.0050 mg/L
Analyst: G. MAPP	CE ICP SW846-6010B  Analysis Date: PACID DIGESTION OF AQUEOUS SAMPL	20-SEP-99 11:54 Instrument: TRACE IC ES SW846-3005A P130:4.0	P Test:_M134.0.0
	December	B15	Det. Limit Units
THALLIUM	Parameter	Result BDL	
MERCURY CVAA	ACID DIGESTION OF AQUE		0.010 mg/L
MERCURY CVAA Analyst: K. KAM/	ACID DIGESTION OF AQUE ARA Analysis Date: Parameter HT OR VOLUME	BDL OUS SAMPLES SW846-7470A	0.010 mg/L
MERCURY CVAA Analyst: K. KAM/ INITIAL WEIG FINAL VOLUME MERCURY CVAA Analyst: R. DAL	ACID DIGESTION OF AQUE ARA Analysis Date: Parameter HT OR VOLUME SW846-7470A AL Analysis Date:	BDL  OUS SAMPLES SW846-7470A  20-SEP-99 17:00 Instrument: PREP  Result  100	0.010 mg/L  Test:: P131.6.0  Det. Limit Units mL
MERCURY CVAA Analyst: K. KAM/ INITIAL WEIG FINAL VOLUME MERCURY CVAA Analyst: R. DAL	ACID DIGESTION OF AQUE ARA Analysis Date: Parameter HT OR VOLUME SW846-7470A AL Analysis Date:	BDL  OUS SAMPLES SW846-7470A  20-SEP-99 17:00	0.010 mg/L  Test: P131.6.0  Det. Limit Units mL  mL
MERCURY CVAA Analyst: K. KAM/ INITIAL WEIG FINAL VOLUME MERCURY CVAA Analyst: R. DAL Prep: MERCURY C MERCURY	ACID DIGESTION OF AQUE ARA Analysis Date: Parameter HT OR VOLUME SW846-7470A AL Analysis Date:	BDL  OUS SAMPLES SW846-7470A 20-SEP-99 17:00	0.010 mg/L  Test: P131.6.0  Det. Limit Units mL  mL  Test: H120.1.0
MERCURY CVAA Analyst: K. KAM/ INITIAL WEIG FINAL VOLUME MERCURY CVAA Analyst: R. DAL Prep: MERCURY C MERCURY CYANIDE DIST Analyst: P. HAM INITIAL WEIG	ACID DIGESTION OF AQUEARA Analysis Date:  Parameter HT OR VOLUME  SW846-7470A AL Analysis Date: VAA ACID DIGESTION OF AQUEOUS SAIPARAMETER  TILLATION SW846-9010A	BDL  OUS SAMPLES SW846-7470A 20-SEP-99 17:00	0.010 mg/L  Test: P131.6.0  Det. Limit Units mL  Test: M120.1.0  Det. Limit Units mL  Test: M120.1.0

2 <del>30 u</del> 20 <del>19 19 3</del> 1 m/s

### TERMS & CONDITIONS

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Sample ID: A495444 LLMWDUP25

INSTRUMENT

CYANIDE	Result BDL	Det. Limit 0.005	units mg/L
BDL Below Detection Limit	ple Comments		v and the second
Sample was received on ice. Sample chain of custody number 87492.			
This Certificate shall not be reproduced without the written approval of the lab.	, except in full,	2.55%) 77.65%	e gar en te

Approved: HOMSUSCh

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#### CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC	16-SEP-99	[	A495442
COMMERCIAL LABORATORY OPERATIONS	Complete	PO Nu	mber
7901 W. MORRIS ST.	29-SEP-99	DP 00151	ĺ
INDIANAPOLIS, IN 46231	Printed	Samp	ed
(317)243-8304	29-SEP-99	16-SEP-99	11:55

Report To

Bill To

DAN SAMMONS, MFWTP IND. WASTE LABORATORY LOUISVILLE AND JEFFERSON COUNTY M.S.D. P.O. BOX 740011 LOUISVILLE, KY 40201 WS. KAREN SHORTE LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

.35

Sample Description

CLIENT ID: LLMW0525

Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
ACETONE	BDL	20	ug/L
ACROLEIN	BDL	50	ug/L
ACRYLONITRILE	BDL	70	ug/L -
BENZENE	BDL	5.0	ug/L
BROMODICHLOROMETHANE	BDL.	5.0	ug/L
BROMOFORM	BDL	5.0	ug/L
BROMOMETHANE	BDL	10	ug/L
CARBON DISULFIDE	BDL	5.0	ug/L
ARBON TETRACHLORIDE	BDL	5.0	ug/L
CHLOROBENZENE	BDL	5.0	ug/L
HLOROETHANE	BDL	10	ug/L
HLOROFORM	BDL	5.0	ug/L
HLOROMETHANE	BDL	10	ug/L
DIBROMOCHLOROMETHANE	BDL	5.0	ug/L
IS-1,3-DICHLOROPROPENE	BDL		ug/L
DICHLORODIFLUOROMETHANE	BDL	5.0	ug/L
,1-DICHLOROETHANE	BDL	5.0	
1,2-DICHLOROETHANE	BDL	5.0	ug/L
,1=DICHLOROETHENE	BDL	5.0	ug/L
1,2-DICHLOROPROPANE	BDL	5.0	ug/L
THYLBENZENE	BDL		ug/L
FLUOROTRICHLOROMETHANE	BDL	5.0	ug/L
2-HEXANONE	BDL		ug/L
METHYLENE CHLORIDE	BDL	5.0	ug/L
METHYL ETHYL KETONE	BDL	10	ug/L
I-METHYL-2-PENTANONE	BDL	10	l ug/L
STYRENE	BDL	5.0	, •
1,1,2,2-TETRACHLOROETHANE	BDL	5.0	ug/L
TETRACHLOROETHENE	BDL	5.0	ug/L
TETRAHYDROFURAN	BDL	25	ug/L

LABUMANUMI SEMMULS TERMS NOOMSTONS

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  - a. Heritage performed analysis or work for the Client.
  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

Sample ID: A495442 LLMW0525

Parameter	Result	Det. Limit	Units
TOLUENE	BDL	5.0	ug/L
1,2-DICHLOROETHENE (TOTAL)	A PART OF THE PROPERTY OF THE PART OF THE		ug/L
TRANS-1,3-DICHLOROPROPENE	BDL	5.0	ug/L
1,1,1-TRICHLOROETHANE	BDL BDL	5.0	ug/L
1,1,2-TRICHLOROETHANE	BDL	5.0	ug/L
TRICHLOROETHENE			ug/L
VINYL ACETATE	BDL	10	ug/L
VINYL CHLORIDE	BDL	10	ug/L
XYLENE (TOTAL)	BDL	5.0	ug/L
SURROGATE RECOVERY			
DICHLOROETHANE-D4	121		% Rec
IOLUENE-D8	9/	and account to the contract of	% Kec
BROMOFLUOROBENZENE	96		% Rec
1:5 DILUTION			•

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTI Analyst: P. SIMS Analysis Date: 23-SEP-99	ON SW846-3510B Instrument: PREP	Test: <b>P233.4.</b> (	)
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			·
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	1.0		mL

Prep: GC/Ms SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTIO	N 5W646+33108 P233.4.U		
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	DD.	1.0	<u> </u>
ACENAPHTHENE	BDL	10	ug/L
ACENAPHTHYLENE	BDL	10	ug/L
ANTHRACENE	BDL	10	ug/L
BENZ(A)ANTHRACENE	BDL	10	ug/L
BENZO(A) PYRENE	BDL	10	1 3,
BENZO(B) FLUORANTHENE	BDL	10	ug/L
BENZO(G,H,I)PERYLENE	BDL		ug/L
BENZO(K) FLUORANTHENE	BDL	10	
BENZYL ALCOHOL	BDL	10	J 47
BENZYLBUTYLPHTHALATE	BDL	10	
BIS(2-CHLOROETHOXY)METHANE	BDL		ug/L
BIS(2-CHLOROETHYL)ETHER	BDL	10	
BIS(2-CHLOROISOPROPYL)ETHER	BDL	10	, .,
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10	
4-BROMOPHENYLPHENYLETHER	BDL	10	
CARBAZOLE	BDL	10	
4-CHLOROANILINE	BDL	10	
2-CHLORONAPHTHALENE	BDL	10	
4-CHLOROPHENYLPHENYLETHER	BDL	10	
CHRYSENE	BDL	10	
DIBENZ(A,H)ANTHRACENE	BOL	10	
DIBENZOFURAN	BDL	10	
1,2-DICHLOROBENZENE	BDL	10	ug/L

Agraement—To inmate here has a 11 em must transthe Heritage Laboratory Services Quotation form and Jubimit a Written purchase cross. Submitta, or a curonase order and/or samples constitutes acceptance and acknowledgment by Ofient to be cound by this Agreement.

- 2. <u>Fees- Heritage shall provide services at the prices stated in its Quotation. Heritage reserves the right to change prices after providing Client with a 30 day notification.</u>
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- 7. Sample Analysis Heritage Gas analigoal methods which conform with the U.S. EPA, State Agency, American Societivor Fraund & Materials, Association of Official Analytical Chemists. Standard Methods for the Examination of American to the Association of Official Analytical Chemists. Records of Heritage Laboratory procedures, Association of Official Analytical Chemists. Records of Heritage Laboratory procedures, Association of Official Analytical Chemists. Records of Heritage Laboratory procedures, Association of Official Analytical Chemists. Records of Heritage Laboratory procedures, Association of Official Analytical Chemists. Records of Heritage Laboratory procedures.
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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

daenika H. Thirth

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Parameter	Result	Det. Limit	Units
1,3-DICHLOROBENZENE	BDL	10	ug/L
1,4-DICHLOROBENZENE	BDL	10	ug/L
3,3'-DICHLOROBENZIDINE	BDL		ug/L
DÍETHYLPHTHALATE	BDL		ug/L
DIMETHYLPHTHALATE	BDL		ug/L
DI-N-BUTYLPHTHALATE	BDL		ug/L
DINITROBENZENES	BDL	I I	ug/L
2,4-DINITROTOLUENE	BDL		ug/L
2,6-DINITROTOLUENE	BDL		
DI-N-OCTYLPHTHALATE	BDL		ug/L
	BDL		ug/L
FLUORANTHENE		10	ug/L
FLUORENE	BDL		ug/L
HEXACHLOROBENZENE	BDL		ug/L
HEXACHLOROBUTADIENE	BDL		ug/L
HEXACHLOROCYCLOPENTADIENE	BDL		ug/L
HEXACHLOROETHANE	BDL		ug/L
INDENO(1,2,3-CD)PYRENE	BDL		ug/L
ISOPHORONE	BDL	10	ug/L
2-METHYLNAPHTHALENE	BDL	10	ug/L
NAPHTHALENE	BDL		ug/L
2-NITROANILINE	BDL		ug/L
3-NITROANILINE	BDL		ug/L
4-NITROANILINE	BDL		ug/L
NITROBENZENE	BDL		ug/L
N-NITROSO-DIPHENYLAMINE	BDL		ug/L
N-NITROSO-DI-N-PROPYLAMINE	BDL	10	ug/ L
PHENANTHRENE	BDL		ug/L
2-PICOLINE	BDL		
PYRENE	BDL		ug/L
			ug/L
PYRIDINE	BDL		
1,2,4,5-TETRACHLOROBENZENE	BDL		ug/L
TOLUENEDIAMINE	BDL		ug/L
1,2,4-TRICHLOROBENZENE	BDL	10	ug/L
BENZOIC ACID	BDL	50	ug/L
4-CHLORO-3-METHYLPHENOL	BDL	10	ug/L
2-CHLOROPHENOL	BDL	10	ug/L
2,4-DICHLOROPHENOL	BDL	10	ug/L
2,4-DIMETHYLPHENOL	BDL	10	
4,6-DINITRO-2-METHYLPHENOL	BDL ·	50	ug/L
2,4-DINITROPHENOL	BDL	50	ug/L
2-METHYLPHENOL	BDL	10	ug/L
4-METHYLPHENOL	BDL	10	
2-NITROPHENOL	BDL	10	ug/L
4-NITROPHENOL	BOL		ug/L
PENTACHLOROPHENOL	BDL	50	ug/L
PHENOL	BDL		ug/L
	BDL	10	
1,2,4,5-TETRACHLOROBENZENE			
2,4,5-TRICHLOROPHENOL	BDL		ug/L
2,4,6-TRICHLOROPHENOL	BDL .	10	ug/L
SURROGATE RECOVERY			***************************************
SUMMUL RECOVER!			
2-FLUOROPHENOL	41		% Rec

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### Sample ID: A495442 LLMW0525

Parameter	Result	Det. Limit	Units
PHENOL-D5	29		% Rec
NITROBENZENE-D5	1		% Rec
2-FLUOROBIPHENYL	73		% Rec
2.4.6-TRIBROMOPHENOI			% Rec
TERPHENYL-D14	22		% Rec

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION Analyst: J. OELSLAGER Analysis Date: 20-SEP-99	SW846-3510B Instrument: PREP	Test: <b>P233.1.</b> 0	)
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			ļ
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	10		mL

Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS	001		
LPHA-BHC	BDL	0.05	, ,,
SETA-BHC	BDL BDL	0.05 0.05	ug/L
PELTA-BHC	BDL BDL	0.05	ug/L
GAMMA-BHC (LINDANE) MEPTACHLOR	BDL	0.05	ug/L
LDRIN	BDL	0.05	ug/L ug/L
EPTACHLOR EPOXIDE	BDL	0.05	ug/L ug/L
NDOSULFAN I	BDL	0.05	ug/L
DIELDRIN	BDL	0.1	
,4'-DDE	BDL	G. 1	ug/L
NDRIN	BDL		ug/L
NDOSULFAN II	BDL	0.1	ug/L
,4'-DDD	BDL	0.1	
NDOSULFAN SULFATE	BDL	0.1	ug/L
,4'-DDT	BDL	0.1	
IETHOXYCHLOR	BDL	0.5	
NDRIN ALDEHYDE	BDL		ug/L
NDRIN KETONE	BDL	0.1	ug/L
NLPHA-CHLORDANE	BDL		ug/L
SAMMA-CHLORDANE	BDL	0.5	
TOXAPHENE	BDL		) 3,
CB AROCLOR 1016	BDL	0.5	
PCB AROCLOR 1221	BDL		ug/L
PCB AROCLOR 1232	BDL	0.5	
PCB AROCLOR 1242	BDL		ug/L
PCB AROCLOR 1248 PCB AROCLOR 1254	BDL BDL	0.5	J,
PCB AROCLOR 1254	BDL	1	ug/L
TUD ARUULUK 1200	DUL	1	ug/L
SURROGATE RECOVERY			
SOURCE RECOVERS			
DECACHLOROBIPHENYL (DCB)	56.4		% Rec

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ERITAGE ENVIRONMENTAL SERVICES, LLC AA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES		mple ID: A49544	
Analyst: D. BUSCO Analysis Date: 17-SEP-99 1	0:00 Instrument: PREP	Test: P130	.4.0
Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS			
NITIAL WEIGHT OR VOLUME	50		mL
INAL WEIGHT OR VOLUME	50		mL
LUMINUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 0 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-30	12:11	Teat: #101	.3.0
Parameter	Result	Det. Limit	Units
ET WEIGHT RESULTS			·····
LUMINUM	0.078	0.050	mg/L
NTIMONY ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 ( Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3( Parameter VET WEIGHT RESULTS	02:11 Instrument: ICP 005A P130:4.0 Result	Test: M102	2,3.0 Units
ANT I MONY	BDL	0.030	ma/L
Parameter WET WEIGHT RESULTS BARIUM	Result	Det. Limit 0.010	
BERYLLIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP AGID DIGESTION OF AQUEOUS SAMPLES SW846-3	02:11	Test: M10	5.3.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	·		
BERYLLIUM	BDL	0.0040	mg/L
CADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3		Test: #10	8.3.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	70	A AAFA	
CADMIUM	BDL	0.0050	mg/L
		Test: M10	9.3.0
CALCIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-			
Analysis Date: 18:SEP-99 Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846*:  Parameter		Det. Limit	Units
Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA DR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846*  Parameter WET WEIGHT RESULTS	3005A P130.4.0 Result	Det. Limit	
Analysis Date: 18:SEP-99 Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846*:  Parameter	3005A P130.4.0	Det. Limit	Units mg/L
Analyst: J. KRAMER Analysis Date: 18:SEP-99 Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846*  Parameter WET WEIGHT RESULTS CALCIUM	3005A P130.4.0 Result	Det. Limit	
Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846*  Parameter WET WEIGHT RESULTS	3005A P130.4:0 Result	Det. Limit	mg/L

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  - a. Heritage performed analysis or work for the Client.
  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

Sample ID: A495442 LLMW0525

ET WEIGHT RESULTS	Result	Det. Limit	Units
HROMIUM	BDL	0.010	mg/L
OBALT ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	02:11		.3.0
Parameter	Result	Det. Limit	Units
FET WEIGHT RESULTS COBALT	0.010	0.010	mg/L
OPPER ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	02:11 Instrument: ICP 3005A P130:4:0		2.3.0
Parameter VET WEIGHT RESULTS	Result	Det. Limit	Units
COPPER	BDL	0.020	ma/L
IRON ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-	3005A P130.4.0		ı
Parameter WET WEIGHT RESULTS IRON	Result	Det. Limit 0.025	Units mg/L
Analyst: J. KRAMER Analysis Date: 18-SEP-95 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846 Parameter WET WEIGHT RESULTS MAGNESIUM	3005A P130.4.0 Result		Units
	34	0.20	ma/l
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846			
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS	9 02:11   Instrument: ICP -3005A P130:4.0   Result	Test: #11	9.3.0 Units
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-94  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter	9:02:11	Test: #11	9,3.0 Units Mg/L
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS MANGANESE  NICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 21-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS	9:02:11	Test: M11  Det. Limit  0.010  Test: M12	9.3.0 Units mg/L 2.3.0 Units
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS MANGANESE  NICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 21-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter	9:02:11	Test: #11  Det. Limit  0.010  Test: #12	9.3.0 Units mg/L 2.3.0 Units
MANGANESE ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS MANGANESE  NICKEL ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 21-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS	P 02:11	Test: #11  Det. Limit  0.010  Test: #12  Det. Limit  0.010	9.3.0  Units  mg/L  2.3.0  Units  mg/L

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- Agreement- To Initiate Geneross. Illient in 1st sign the Heritage Laboratory Services Quotation form and Rubmit a written purchase Graph. Pubmittal of a purchase order and/or samples constitutes acceptance and acknowledgment by Client to be ocupa by this Agreement.
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Sample ID: A495442 LLMW0525

Parameter ET WEIGHT RESULTS	Result	Det. Limit	Units
OTASSIUM	28,	0,20	mq/L
ILVER ICP SW846-6010B			
Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-		Test; #130	.3.0
<u> </u>	Result	Det. Limit	Units
Parameter IET WEIGHT RESULTS	Resutt	Det. Cimit	Units
TLVER	BDL	0.010	mg/L
	**************************************		
SODIUM ICP SW846-6010B	2 22.44	Tanka 19171	70
Analyst: J. KRAMER Analysis Date: 18-SEP-99 Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846		Test: N131	-3.0
Parameter	Result	Det. Limit	Units
NET WEIGHT RESULTS			7
SODIUM	39.	0.20	mg/L
IMARYIN VOR OLOGO COCO			
VANADIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-9	9 N7:11 Instrument: ICP	Test: M138	<b>ፈ</b> በ
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846		lest: Al20	
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
VANADIUM	BDL	0.010	ma/L
	, 552		
ZINC ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-9	9 02:11 Instrument: ICP	Test: M139	
ZING ICP SW846-6010B	9 02:11 Instrument: ICP		
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter	9 02:11   Instrument: ICP 6-3005A P130.4.0   Result		
ZING ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter  WET WEIGHT RESULTS	9 02:11   Instrument: ICP 6-3005A P130.4.0   Result	Test: #139	.3.0 Units
ZING ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter  WET WEIGHT RESULTS	9 02:11   Instrument: ICP 6-3005A P130.4.0   Result	Test: #139	.3.0 Units
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B	9 02:11	Test: #139  Det. Limit  0.020	.3.0 Units mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analysis Date: 20-SEP-9	9 02:11	Test: #139  Det. Limit  0.020	.3.0 Units mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846	9 02:11	Test: #139  Det. Limit  0.020  Test: #103	.3.0 Units - mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter	9 02:11	Test: #139  Det. Limit  0.020	.3.0 Units mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846	9 02:11	Test: M139  Det. Limit  0.020  Test: M103	Units : mg/L :
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ARSENIC	9 02:11	Test: #139  Det. Limit  0.020  Test: #103	Units : mg/L :
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050	Units  mg/L  Units  Units  mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-5	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050	Units  mg/L  Units  Units  mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050  Test: #13	Units mg/L  Units mg/L  5.0.0  Units mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050	Units  mg/L  Units  Units  mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050  Test: #13	Units Tolling/L  Signature Units  Mg/L  Signature Units  Units  Units
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS  Parameter WET WEIGHT RESULTS	9 02:11	Test: M139  Det. Limit  0.020  Test: M103  Det. Limit  0.0050  Test: M13	Units Tolling/L  Signature Units  Mg/L  Signature Units  Units  Units
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS LEAD  SELENIUM TRACE ICP SW846-6010B	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050  Test: #130	Units  mg/L  Units  mg/L  Units  mg/L  S.O.O  Units  mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER  Parameter  WET WEIGHT RESULTS  ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP  Perp: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter  WET WEIGHT RESULTS  ANAlyst: G. MAPP  Parameter  WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-9  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter  WET WEIGHT RESULTS  ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-9  SELENIUM TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-9  SELENIUM TRACE ICP SW846-6010B  Analysis Date: 20-SEP-9	9 02:11	Test: M139  Det. Limit  0.020  Test: M103  Det. Limit  0.0050  Test: M13	Units  mg/L  Units  mg/L  Units  mg/L  S.O.O  Units  mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ZINC  ARSENIC TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS ARSENIC  LEAD TRACE ICP SW846-6010B  Analyst: G. MAPP Analysis Date: 20-SEP-9 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846  Parameter WET WEIGHT RESULTS LEAD  SELENIUM TRACE ICP SW846-6010B	9 02:11	Test: #139  Det. Limit  0.020  Test: #103  Det. Limit  0.0050  Test: #130	Units  mg/L  Units  mg/L  Units  mg/L  S.O.O  Units  mg/L

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Sample ID: A495442 LLMW0525

Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
SELENTUM	BDL	0.0050	mg/L

THALLIUM TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-99 11:3'  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	88888888688888488888888888888888888888	Test: #13/	4.0.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			<u> </u>
The property of the state of th	1		1

MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES Analyst: K. KAMARA Analysis Date: 20-SEP-99 17:00		Test: P13	1.6.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
INITIAL WEIGHT OR VOLUME	100		
FINAL VOLUME	100	<u>.</u>	mL_

MERCURY CVAA SW846-7470A  Analyst: R. DALAL Analysis Date: 21-SEP-99 12:56  Prep: MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES SW846-7470	Maraki Makazina da Kabata, maya Nazakka kenintar Nada	Test: M120	0.1.0
Parameter .	Result	Det. Limit	Units
WET WEIGHT RESULTS			
MERCURY	BDL	0.00020	ma/L

CYANIDE DISTILLATION SW846-9010A Analyst: P. HANLIN Analysis Date: 19-SEP-99 16:30	D Instrument: PREP	Test: P10	1.4.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS		-	
INITIAL WEIGHT OR VOLUME	250		
FINAL VOLUME	250		mL

CYANIDE, TOTAL (AUTOMATED) SW846-9012 Analyst: P. HANLIN Analysis Date: 19-SEP-99 18:4 Prep: CYANIDE DISTILLATION SW846-9010A P101.4.0	5 instrument: AUTO-ANALYZER	Test: G10	1.4.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			ļ
CYANIDE	BDL	0.005	ma/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice. Sample chain of custody number 87492.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

Approved: R.Y. Jense

Page 8 (last page)

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- 8. <u>Sample Reports</u>- marking under ording a written report or the results of its services which will include test results, detection in to, increasing one analysis are analysis, and analytical method references. Additional documentation and nowable abbottomas are available for additional fees, but must be arranged prior to sample delivery.
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#### CERTIFICATE OF ANALYSIS

Service Location	Received	Project	Lab ID
HERITAGE ENVIRONMENTAL SERVICES, LLC	16-SEP-99	1.	A495445
COMMERCIAL LABORATORY OPERATIONS	Complete	PO Number	
7901 W. MORRIS ST.	04-0CT-99	DP 00151	1
INDIANAPOLIS, IN 46231	Printed	Sampled	
(317)243-8304	05-0CT-99	16-SEP-99	15:15

Report To

Bill To

DAN SAMMONS, MFWTP IND. WASTE LABORATORY MS. KAREN SHORTE LOUISVILLE AND JEFFERSON COUNTY M.S.D. LOUISVILLE & JEFF P.O. BOX 740011 LOUISVILLE, KY 40201 LOUISVILLE, KY 40201

MS. KAREN SHORTE LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

1. 128 - 12 2x

Sample Description

CLIENT ID: LLMWB25

Parameter	Result	Det. Limit Units
ACETONE	BDL	20   ug/L
ACROLEIN	BDL	50 ug/L
ACRYLONITRILE	BDL	70 \ ug/L
BENZENE	BDL	5.0 ug/L
BROMODICHLOROMETHANE	BDL	5.0   ug/L
BROMOFORM	BDL	540 ug/L
BROMOMETHANE	BDL	10   ug/L
CARBON DISULFIDE	BDL	5.0 ug/L
CARBON TETRACHLORIDE	BDL	5.0   ug/L
CHLOROBENZENE	BDL	5.0 ug/L
CHLOROETHANE	BDL	10   ug/L
CHLOROFORM	BDL	5.0 ug/L
CHLOROMETHANE	BDL	10   ug/L
DIBROMOCHLOROMETHANE	BDL	5.0 ug/L
CIS-1,3-DICHLOROPROPENE	BDL	5.0   ug/L
DICHLORODIFLUOROMETHANE	BDL	5.0 ug/L
1,1-DICHLOROETHANE	BDL	5.0   ug/L
1,2-DICHLOROETHANE	BDL	5.0 ug/L
1,1-DICHLOROETHENE	BDL	5.0 ug/L
1,2-DICHLOROPROPANE	BDL	5.0 ug/L
ETHYLBENZENE	BDL	5.0 ug/L
FLUOROTRICHLOROMETHANE	BDL	5.0 ug/L
2-HEXANONE	BDL	10 ug/L
METHYLENE CHLORIDE	BDL	5.0 ug/L
METHYL ETHYL KETONE	BDL	10 ug/L
4-METHYL-2-PENTANONE	BDL	10 ug/L
STYRENE	BDL	5.0 ug/L
1,1,2,2-TETRACHLOROETHANE	BDL	5.0 ug/L
TETRACHLOROETHENE	BDL	5.0 ug/L
TETRAHYDROFURAN	BDL	25 ug/L
TOLUENE	BDL	-5.0 ug/L

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### Sample ID: A495445 LLMWB25

Parameter	Result	Det. Limit	Units
1,2-DICHLOROETHENE (TOTAL)	BDL	5.0	ug/L
TRANS-1,3-DICHLOROPROPENE	BDL	5.0	ug/L
1,1,1-TRICHLOROETHANE	BDL	5.0	ug/L
1,1,2-TRICHLOROETHANE	BDL	5.0	ug/L
TRICHLOROETHENE	BDL	5.0	ug/L
VINYL ACETATE	BDL	10	ug/L
VINYL CHLORIDE	BDL	10	ug/L
XYLENE (TOTAL)	BDL	5.0	ug/L
•••			
SURROGATE RECOVERY			
DVX(II ANAFTIMISE BY			
DICHLOROETHANE-D4	129		
TOLUENE-D8	105		% Rec
BROMOFLUOROBENZENE	87		1 % KeC
1:5 DILUTION			. * 3

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTI Analyst: A. GERKE Analysis Date: 23-SEP-99	ON SW846-3510B Instrument: PREP	Test: <b>P233.4</b> ,0	0
Parameter INITIAL WEIGHT OR VOLUME	Result 1000	Det. Limit	Units ML
FINAL VOLUME Failed surrogate recovery criteria. Was re-ex	1.0 ktracted.		mL

GC/MS SEPARATORY FUNNEL LIQUID-LIQUID E Analyst: A. GERKE Analysis Date: 30-SE	XTRACTION SW846-3510B P-99 Instrument: PREP	Test: P233.4.1	
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
TETNATO VOLUME CONTROL CONTRO	1.0		mL

Parameter	Result	Det. Limit	Units
ACENAPHTHENE	BDL	10	ug/L
ACENAPHTHYLENE	BDL	10	ug/L
ANTHRACENE	BDL	10	ug/L
BENZ(A)ANTHRACENE	BDL	10	ug/L
BENZO(A) PYRENE	BDL	10	ug/L
BENZO(B)FLUORANTHENE	BDL	10	ug/L
BENZO(G,H,I)PERYLENE	BDL	10	ug/L
BENZO(K) FLUORANTHENE	BDL	1.0	ug/L
BENZYL ALCOHOL	BDL	10	ug/L
BENZYLBUTYLPHTHALATE	BDL	10	ug/L
BIS(2-CHLOROETHOXY)METHANE	BDL	10	ug/L
BIS(2-CHLOROETHYL)ETHER	BDL	10	ug/L
BIS(2-CHLOROISOPROPYL)ETHER	BDL	10	ug/L
BIS(2-ETHYLHEXYL)PHTHALATE	BDL	10	
4-BROMOPHENYLPHENYLETHER	BDL	10	ug/L
CARBAZOLE	BDL	10	
4-CHLOROANILINE	BDL	10	ug/L
2-CHLORONAPHTHALENE	BDL		ug/L

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

Same Builder

HERITAGE ENVIRONMENTAL SERVICES, LLC		Sample ID: A495445 LLMWB25	
Parameter 4-CHLOROPHENYLPHENYLETHER	Result BDL	Det. Limit	Units ug/L
CHRYSENE	BDL	io	
DIBENZ(A,H)ANTHRACENE	BDL	10	ug/L
DIBENZOFURAN	BDL		ug/L
1,2-DICHLOROBENZENE	BDL	10	ug/L
1,3-DICHLOROBENZENE	BDL		ug/L
1,4-DICHLOROBENZENE	BDL	10	ug/L
3,3'-DICHLOROBENZIDINE	BDL		ug/L
DIETHYLPHTHALATE	BDL	10	ug/L
DIMETHYLPHTHALATE	BDL		ug/L
DI-N-BUTYLPHTHALATE	BDL	10	ug/L
DINITROBENZENES	BDL		ug/L
2,4-DINITROTOLUENE	BDL	10	
2,6-DINITROTOLUENE	BDL		ug/L
DI-N-OCTYLPHTHALATE	BDL	10	ug/L
FLUORANTHENE	BDL		ug/L
FLUORENE	BDL	10	
HEXACHLOROBENZENE	BDL		ug/L
HEXACHLOROBUTADIENE	BDL	10	
HEXACHLOROCYCLOPENTADIENE	BDL	ĪŎ	
HEXACHLOROETHANE	BDL	10	
INDENO(1,2,3-CD)PYRENE	BDL		ug/L
ISOPHORONE	BDL	10	ug/L
2-METHYLNAPHTHALENE	BDL	โก	ug/L
NAPHTHALENE	BDL	10	ug/L
2-NITROANILINE	BDL	50	ug/L
3-NITROANILINE	BDL	50	ug/L
4-NITROANILINE	BOL	50	ug/L
NITROBENZENE	BDL	10	ug/L
N-NITROSO-DIPHENYLAMINE	BDL	10	ug/L
N-NITROSO-DI-N-PROPYLAMINE	BDL	. 10	
PHENANTHRENE	BDL	10	
2-PICOLINE	BDL	50	ug/L
PYRENE	BDL		ug/L
PYRIDINE	BDL	50	ug/L
1,2,4,5-TETRACHLOROBENZENE	BDL	10	ua/L
TOLUENEDIAMINE	BDL	50	ug/L
1,2,4-TRICHLOROBENZENE	BDL		ug/L
BENZOIC ACID	BDL	50	ug/L
4-CHLORO-3-METHYLPHENOL	BDL	10	
2-CHLOROPHENOL	BDL	10	
2,4-DICHLOROPHENOL	BDL	10	ug/L
2,4-DIMETHYLPHENOL	BDL	10	
4,6-DINITRO-2-METHYLPHENOL	BDL	50	ug/L
2,4-DINITROPHENOL	BDL	50	
2-METHYLPHENOL	BDL		ug/L
4-METHYLPHENOL	BDL	10	ug/L
2-NITROPHENOL	BDL	10	
4-NITROPHENOL	BDL	50	
PENTACHLOROPHENOL	BOL	50	
PHENOL	BDL	10	
1,2,4,5-TETRACHLOROBENZENE	BDL	10	
2,4,5-TRICHLOROPHENOL	- BDL	50	

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#### Sample ID: A495445 LLMWB25

Parameter	Result	Det. Limit	Units
SURROGATE RECOVERY			,
2-FLUOROPHENOL	52		% Rec
PHENOL-D5			1 % Rec
NITROBENZENE-D5	88		% Rec
2-FLUOROBIPHENYL	83		l & Kec
2,4,6-TRIBROMOPHENOL	75		% Rec
TERPHENYL-D14		· · · · · · · · · · · · · · · · · · ·	12 Rec

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION Analyst: J. OELSLAGER Analysis Date: 20-SEP-99	SW846-3510B Instrument: PREP	Test: <b>P233</b> ,1,	a
Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	10		mL

Parameter	Result	Det. Limit Units
_PHA-BHC	BDL	0.05   ug/L
TA-BHC	BDL	0.05 ug/L
ELTA-BHC	BDL	0.05   ug/L
AMMA-BHC (LINDANE)	BDL	0.05 ug/L
EPTACHLOR	BDL	0.05   ug/L
LORIN	BDL	0.05 ug/L
EPTACHLOR EPOXIDE	BDL	0.05   ug/L
NDOSULFAN I	BDL	0.05 ug/L
IELDRIN	BDL	0.1   ug/L
,4'-DDE	BDL	0.1 ug/L
NDRIN	BDL	0.1 ug/L
NDOSULFAN II	BDL	0.1 ug/L
,4'-DDD	BDL	0.1   ug/L
NDOSULFAN SULFATE	BDL	0.1   ug/L
,4'-DDT	BDL	0.1   ug/L
ETHOXYCHLOR	BDL	0.5 ug/L
NDRIN ALDEHYDE	BDL	0.1   ug/L
NDRIN KETONE	BDL	0.1 ug/L
LPHA-CHLORDANE	BDL	0.5 ug/L
AMMA-CHLORDANE	BDL	0.5 ug/L
OXAPHENE	BDL	1 ug/L
CB AROCLOR 1016	BDL	0.5 ug/L
CB AROCLOR 1221	BDL	0.5   ug/L
CB AROCLOR 1232	BDL	0.5 ug/L
CB AROCLOR 1242	BDL	0.5   ug/L
CB AROCLOR 1248	BDL	0.5 ug/L
CB AROCLOR 1254	BDL	1 ug/L
CB AROCLOR 1260	BDL BDL	1 ug/L
SURROGATE RECOVERY		

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NITIAL WEIGH	Parameter T OR VOLUME OR VOLUME	Result 50 50	Det. Limit	Units ML ML
ALUMINUM ICP Analyst: J. KRAMI	SW846-6010B	Z2-SEP-99 04:13 Instrument: ICP ES SW846-3005A P130.4.0	Test: M101	.3.0
ALUMINUM	Parameter	Result 0.22	Det. Limit 0.050	Units mq/L
ANTIMONY ICP Analyst: J. KRAM Prep: FAA OR ICP	<u> 20.0000,, 00000,, 0000,, 00.0,, 00.0,, 0, 0, 0, 0, 00.00000000</u>		Test: MiQ	2.3.0 Units
ANTIMONY	, <b>u</b> , a	BDL	0.030	
<ul> <li>1</li></ul>			Test: M10	6.3.0 Y
BARIUM	Parameter	0.019	Det. Limit 0.010	Units mg/L
Analyst: J. KRAM	P SW846-6010B ER Analysis Date: ACID DIGESTION OF AQUEOUS SAMP	LES SW846-3005A P130.4.0	Test #10	5.3.0
BERYLLIUM	Parameter	Result BDL	Det. Limi <del>t</del> 0.0040	Units mg/L
Analyst: J. KRAN	SW846-6010B MER Analysis Date: PACID DIGESTION OF AQUEOUS SAMP	22-SEP-99 04:13 Instrument: ICP PLES SW846-3005A P130.4.0	Teat::M10	8.3.0
	Parameter	Result BDL	Det. Limit 0.0050	Units mg/L
CADMIUM	· ·		Test: HIO	9.3.0
CALCIUM ICP Analyst: J. KRA	SW846-6010B MER Analysis Date: P ACID DIGESTION OF AQUEOUS SAME	: 22-SEP-99 04:13   Instrument: ICP PLES SW846-3005A P130.4.0	IGPL AIL	
CALCIUM ICP Analyst: J. KRA	MER Analysis Date:		Det. Limit 0.20	Units mg/L
CALCIUM ICP Analyst: J. KRAI Prep: FAA OR IC  CALCIUM  CHROMIUM ICP Analyst: J. KRA	MER Analysis Date: P ACID DIGESTION OF AQUEOUS SAME Parameter  SW846-6010B	PLES SW846-3005A P130.4.0  Result  110  22-SEP-99 04:13 Instrument: ICP	Det. Limit	mg/L
CALCIUM ICP Analyst: J. KRAI Prep: FAA OR IC  CALCIUM  CHROMIUM ICP Analyst: J. KRA	MER Analysis Date: P ACID DIGESTION OF AQUEOUS SAME Parameter  SW846-6010B MER Analysis Date:	PLES SW846-3005A P130.4.0  Result  110  22-SEP-99 04:13 Instrument: ICP	Det. Limit 0.20	mg/L io.3.0

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	Parameter	Result	Det. Limit Units
OBALT		BDL	0.010 mg/L
OPPER ICP SWE Analyst: J. KRAMER Prep: FAA OR LCP	₹ Analysis Date: 2	22-SEP-99 04:13   Instrument: ICP ES:SW846-3005A P130.4.0	Test: <b>M112.3</b> .0
OPPER	Parameter	Result BDL	Det. Limit Units 0.020 mg/L
	R Analysis Date:	22-SEP-99 04:13   Instrument: ICP ES SW846-3005A P130.4.0	Test: #115.5.0
RON	Parameter	Result 7.7	Det. Limit Units 0.025 mg/L
Analyst: J. KRAME	SW846=6010B R Analysis Date: ACID DIGESTION OF AQUEOUS SAMPL	22-SEP-99-04:13   Instrument: ICP ES SW846-3005A P130.4.0	
MAGNESIUM	Parameter	Result 38.	Det. Limit Units 0.20 mg/L
Analyst: J. KRAME	SW846-6010B R Analysis Date: ACID DIGESTION OF AQUEOUS SAMPL	22-SEP-99 04:13   Instrument: ICP LES SW846-3005A P130.4:0	Test: <b>M119.3.</b> 0
MANGANESE	Parameter	Result 0.28	Det. Limit Units 0.010 mg/L
	R Amalysis Date:	22-SEP-99 04:13   Enstrument: ICP LES SW846-3005A P130.4.0	Test: #122.3.0
NICKEL	Parameter	Result 0.015	Det. Limit Units 0.010 mg/L
Analyst: J. KRAME		22-SEP-99-04:13 Instrument: ICP LES SW846-3005A P130:4.0	Test: <b>M126.3.</b> 0
POTÄSSIUM	Parameter	Result 2.2	Det. Limit Units 0.20 mg/L
SILVER ICP SV Analyst: J. KRAM	4846-6010B ER Analysis Date: ACID DIGESTION OF AQUEOUS SAMP	22-SEP-99 04:13 Instrument: ICP	Test: #130.3.0
SILVER	Parameter	Result BDL	Det. Limit Units 0.010 mg/L
	W846-6010B ER Analysis Date:	22-SEP-99 04:13   Instrument: ICP	Test: #131.5.0
Analyst: J. KRAM	ACID DIGESTION OF AQUEOUS SAMP	155 34040-38037 130.470	
Analyst: J. KRAM	ACID DIGESTION OF AQUEOUS SAME Parameter	Result 36.	Det. Limit Units 0.20 mg/L

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Sample ID: A495445 LLMWB25

		mg/L
04:13   Instrument: ICP 005A P130.4.0	Teat: #139	.3.0
Result BDL		mg/L
12:00 Instrument: TRACE IC 005A P130.4.0	P Test: #103	.0.0
Result 0.0057	0.0050	mg/L
005A P130.4:0	CP Test: <b>Kij</b> ć	
BDL	1	
13:00   Instrument: TRACE    005A P130.4.0	CP Test: M12/	\$.0.0
Result BDL	Det. Limit 0.0050	Units mg/L
	Det. Limit	Units
PLES SW846-7470A 17:00 Instrument: PREP	Test: P13	i1.6.0
Result 100 100	Det. Limit	Units ML ML
12:56   Enstrument: CVAA -6-7470A P131.6.0	Test: <b>Hi</b> i	10 <sub>-</sub> 1.0
Result BDL		
16:30 Instrument: PREP	Contraction of the Contraction o	01.4.0
250 Result 250	Det. Limit	mL mL
7 18:45 Instrument: AUTO-A	NALYZER Test: G1	01.4.0
	Result   BDL	Result   Det. Limit   O.0020

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Sample ID: A495445 LLMWB25

Parameter	Result	Det. Limit	Units
CYANIDE	BDL	0.005	mg/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice. Sample chain of custody number 87492.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

Approved:

Harrish

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

#### CERTIFICATE ANALYSIS

Service Location HERITAGE ENVIRONMENTAL SERVICES, LLC	Received 16-SEP-99		Lab ID A495440
COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST.	Complete 29-SEP-99	PO Number DP 00151	
INDIANAPOLIS, IN 46231 (317)243-8304	Printed 29-SEP-99	Sample 16-SEP-99	· I

Report To

Bill To

DAN SAMMONS, MFWTP IND. WASTE LABORATORY MS. KAREN SHORTE LOUISVILLE AND JEFFERSON COUNTY M.S.D. P.O. BOX 740011 LOUISVILLE, KY 40201

LOUISVILLE & JEFFERSON COUNTY M.S.D. PO BOX 740011 LOUISVILLE, KY 40201

Sample Description

CLIENT ID: LLMWFB25

VOLATILE ORGANICS SW846-8240 Analyst: R. SHAMP Analy	b sis Date: 21-SEP-99 09:1	O <b>instrument:</b> GC	/MS VOA	Test: 0510	.3.0
Parameter		Result.		Det. Limit	Units
WET WEIGHT RESULTS	i di <b>a</b> ssaf	in the second of the second			
ACETONE		BDL		20	ug/L
ACROLEIN		BDL		50	ug/L
CRYLONITRILE		BDL		*70	ug/L /
BENZENE 34	. K.J	BDL	1400 gg	5.0	ug/L
ROMODICHLOROMETHANE		BDL		5.0	ug/L
BROMOFORM	e en media de la	BDL	4.	5.0	ug/L
BROMOMETHANE		BDL		10	ug/L
ARBON DISULFIDE		BDL		5.0	ug/L
ARBON TETRACHLORIDE		BDL		5.0	ug/L
HLOROBENZENE		BDL		5.0	ug/L
HLOROETHANE		BDL		10	ug/L
HLOROFORM		BDL		5.0	ug/L
HLOROMETHANE		BDL		10	ug/L
DIBROMOCHLOROMETHANE		BDL		5.0	ug/L
IS-1,3-DICHLOROPROPENE		BDL		5.0	ug/L
)ICHLORODIFLUOROMETHANE		BDL		5:.0	ug/L
I,1-DICHLOROETHANE		BDL		5,,0	ug/L
I,2-DICHLOROETHANE	in the property of the state of	BDL	•	5.0	
I,1-DICHLOROETHENE		BDL		5.0	
l,2-DICHLOROPROPANE		BDL	.,.,	5.0	ug/L
ETHYLBENZENE		BDL			ug/L
FLUOROTRICHLOROMETHANE	مجم بالمعارة فالمحارية أعلى	BDL		5.0	
2-HEXANONE		80L			
METHYLENE CHLORIDE		BDL	in the state of the	5.0	ug/L
METHYL ETHYL KETONE		BDL			ug/L
1-METHYL-2-PENTANONE	grapa (1			10	ug/L
STYRENE		BDL		5.0	ug/L
I,1,2,2-TETRACHLOROETHANE	n the other and other and	BDL	······································	5.0	ug/L
TETRACHLOROETHENE		BDL		5.0	
TETRAHYDROFURAN AMEE AMEE	为可以各种。它是是 <b>是是是是</b>	BDL	新疆(1) (2) (2)	思数25	ug/L

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Sample ID: A495440 LLMWFB25

Parameter	Result	Det. Limit Units
TOLUENE	BDL	520 ug/L
1,2-DICHLOROETHENE (TOTAL)	BDL	5.0 ug/L
TRANS-1,3-DICHLOROPROPENE	BDL	5.0. ug/L
1,1,1-TRICHLOROETHANE	BDL	
1,1,2-IRICHLORUEIHANE	RDL	5.0 ug/L
TRICHLOROETHENE		
VINYL ACETATE	BDL	10   ug/L
VINYL CHLORIDE		
XYLENE (TOTAL)	BDL	5.0 ug/L
43.4.5		
SURROGATE RECOVERY		1 4 min 2 mi
DICHLOROETHANE-D4	126	Rec Rec
TOLUENE-D8	98	
BROMOFLUOROBENZENE	_  107	1% Rec
1:5 DILUTION	•	

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			1 177 - 111 <b>0 (5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </b>
GC/MS SEPARATORY FUNNEL LIQUID-	LIOUID EXTRACTI	ON SW846-3510B	
	Date: 23-SEP-99	Instrument: PREP	Test: <b>P233;4,</b> 0
• Parameter		Result	Det. Limit:公司 英語 <b>U</b> nits
WET WEIGHT RESULTS	Commence of the second		2. 不完整的 計算學
INITIAL WEIGHT OR VOLUME		1000	mL
FINAL VOLUME		1.0	AFF FINL: FA

SEMI-VOLATILE ORGANICS (BASE/NEUTRAL/ACID FRACTIONS) SW846-8270C  Analyst: L. DORBINS Analysis Date: 24-SEP-99 16:05 Instrument: GC/MS SV0A  Prep: GC/MS SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510B PZ33.4.0			DC SVOA Test:	Test: 0505,1.0		
Parameter	and a second of the second	Result **	Det. Limi	t Units		
VET WEIGHT RESULTS		***************************************				
ACENAPHTHENE	BDL	M. Carabi de Servicio	***************************************	10 ug/L		
ACENAPHTHYLENE	BDL	*****	1,5	10   ug/L		
ANTHRACENE	BDL			10 ug/L		
BENZ(A)ANTHRACENE	BDL			10   ug/L		
BENZO(A)PYRENE	BOL			10 ug/L		
BENZO(B)FLUORANTHENE	BDL			10   ug/L		
BENZO(G,H,I)PERYLENE	BDL			10 ug/L		
BENZO(K) FLUORANTHENE	BDL			10   ug/L		
BENZYL ALCOHOL	BDL			10 ug/L		
BENZYLBUTYLPHTHALATE	BDL			10   ug/L		
31S(2-CHLOROETHOXY)METHANE	BDL			10 ug/L		
BIS(2-CHLOROETHYL)ETHER	BDL agrant	e de la Companie		<b>10</b> ug/L		
BIS(2-CHLOROISOPROPYL)ETHER	BDL.	**************************************		10 ug/L 10 ug/L		
BIS(2-ETHYLHEXYL)PHTHÁLATE	BDL			10   ug/L		
4-BROMOPHENYLPHENYLETHER	801.			10 ug/L		
CARBAZOLE	一層 新型の部 A BDL	Bettled but A	<b>海原的一个</b>	io ug/L tro ug/L		
4-CHLOROANILINE	BDL			## {		
2-CHLORONAPHTHALENE	BDL		18.33	" <b>10</b>   ug/L		
4-CHLOROPHENYLPHENYLETHER	BDL			10 ug/L		
CHRYSENE	BDL			210   ug/L		
DIBENZ(A,H)ANTHRACENE	BOL			10 ug/L		
DIBENZÒFURÁN	BDL			10 ug/L		
1.2-DICHLOROBENZENE	EDL.			10 ug/L		

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Parameter 1,3-DICHLOROBENZENE	BDL	Result		Det. Limit	Units
1,4-DICHLOROBENZENE	BOL				ug/L
	BOL				ug/L
3,3'-DICHLOROBENZIDINE	BDL			20	ug/L
DIETHYLPHTHALATE					ug/L
DIMETHYLPHTHALATE	BDL			10	ug/L
DI-N-BUTYLPHTHALATE	BDL				ug/L
DINITROBENZENES	BDL			50	ug/L
2,4-DINITROTOLUENE	BDL			10	ug/L
2,6-DINITROTOLUENE	BDL			10	ug/L
DI-N-OCTYLPHTHALATE	BDL				ug/L
FLUORANTHENE	BDL			10	ug/L
FLUORENE	BDL				ug/L
HEXACHLOROBENZENE	BDL			10	ug/L
HEXACHLOROBUTADIENE	BDL			10	ug/L
HEXACHLOROCYCLOPENTADIENE	BDL			10	ug/L
HEXACHLOROETHANE	BDL			10	ug/L
INDENO(1,2,3-CD)PYRENE	BDL		}	10	ug/L
ISOPHORONE	BDL			10	ug/L
2-METHYLNAPHTHALENE	BDL		Ì	10	ug/L
NAPHTHALENE	BDL			10	ug/L
2-NITROANILINE 3-NITROANILINE 4-NITROANILINE	BDL			50	ug/L
3-NITROANILINE	BOL			50	ug/L
4-NITROANILINE	BDL	t say pare pare in the say of the		50	ug/L
NITROBENZENE	BDL				ug/L
** ************************************	BDL		:1	10	ug/L
N-NITROSO-DI-N-PROPYLAMINE	BDL			<b>i</b> 0	ug/L
PHENANTHRENE	a BDL		325	10	ug/L
2-PICOLINE	BOL			<b>5</b> 0	ug/L
PYRENE	BDL		*	10	ug/L
PYRIDINE	BDL				ug/L
1,2,4,5-TETRACHLOROBENZENE	BDL		7.	10	ug/L
TOLUENEDIAMINE	BDL			50	ug/L
1,2,4-TRICHLOROBENZENE	BDL			10	ug/L
T,2,4-IKICHLUKUDENZENE					ug/L
BENZOIC ACID	BDL			3U	ug/L
4-CHLORO-3-METHYLPHENOL	BDL	<b> </b>		10	ug/L
2-CHLOROPHENOL	BDI				ug/L
2,4-DICHLOROPHENOL	BDL			-10	ug/L
2,4-DIMETHYLPHENOL	BDI			10	
4,6-DINITRO-2-METHYLPHENOL	BDI			50	ug/L
2,4-DINITROPHENOL	BDI			50	ug/L
2-METHYLPHENOL	BD1			10	ug/L
4-METHYLPHENOL	BDI			10	ug/L
2-NITROPHENOL	BDI	_		10	ug/L
4-NITROPHENOL	BDI	_		50	ug/L
PENTACHLOROPHENOL	. BDI	L			
PHENOL	89			10	ug/L
1,2,4,5-TETRACHLOROBENZENE	BDI		15 to 15	410	ug/L
2,4,5-TRIGHLOROPHENOL	BD			50	
2,4,6-TRICHLOROPHENOL	BD			10	ug/L
-, .,	JU	<b>-</b>			
SURROGATE RECOVERY				: - <del></del>	
COMMODIL NEOTEN					
2-FLUOROPHENOL	33	Section 1997			% Rec
E-I FOUNDE LIFTING		* 1800pt = \$2 may - 1	* /* * * ** · · ·	- And	J.W. VEC

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b. of negligent acts, errors or emissions of the Client; or

c; of Client's failure to perform its obligations under this Agreement.

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AND OF

#### Sample ID: A495440 LLMWFB25

Parameter	Result	Det. Limit Units
PHENOL-D5	27	% Rec
NITROBENZENE-D5	79	% Rec
2-FLUOROBIPHENYL	82	‰Rec
	78	% Rec
TERPHENYL-D14	59	% Rec
		* Secretaria de la compansión de la com

GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION Analyst: J. OELSLAGER Analysis Date: 20-SEP-99	SW846-3510B Instrument: PREP	Test: <b>P233.1.0</b>
Parameter	Result	Det. Limit Units
WET WEIGHT RESULTS		
INITIAL WEIGHT OR VOLUME	1000	mL
FINAL VOLUME	10	-asia mL

Analyst: L. JONES Analysis Date: 25-SEP-99 10:51 Instrument: GC/ECD Test: 0305.1.0 Prep: GC SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-35108 PZ33.1.0			
Parameter	Result		Units
ET WEIGHT RESULTS LPHA-BHC	BDL	0.05	). /I
ETA-BHC	BDL	0.05	ug/L ug/L
ELTA-BHC	BDL	0.05	ug/L
AMMA-BHC (LINDANE)	BDL	0.05	ug/L
EPTACHLOR	BDL	0.05	ug/L
LDRIN	BDL	0.05	ug/L
EPTACHLOR EPOXIDE	8DL	0.05	ug/L
NDOSULFAN I	BDL	0.205	ug/L
IELDRIN	BDL	0,01	ug/L
,4'-DDE	BDL	<b>G.</b> 1	ug/L
NDRIN	BDL	0.1	ug/L
NDOSULFAN II	BDL	0.1	ug/L
,4/-DDD	BDL	0.1	J 7
NDOSULFAN SULFATE	BDL	0.1	ug/L
,4'-DDT	BDL	0.1	ug/L
IETHOXYCHLOR	BDL	0.5	
NDRIN ALDEHYDE	BDL		ug/L
NDRIN KETONE	BDL	0.1	
ALPHA-CHLORDANE	BDL	0.5	ug/L
AMMA-CHLORDANE	BDL	0.5	
OXAPHENE	BDL	A» F	ug/L
PCB AROCLOR 1016	BDL	0.5	
PCB AROCLOR 1221	80	J.J.	ug/L
CB AROCLOR 1232	BDL	=0:5	ug/L
CB AROCLOR 1242	BDL	W.E.	ug/L
PCB AROCLOR 1248	BDL	U.5	ug/L
CB AROCLOR 1254 CB AROCLOR 1260	BDL BDL		ug/L
CD MRUCLUR 1200	DUL		ug/L
URROGATE RECOVERY		A STATE OF THE PERSON NAMED OF THE PERSON NAME	1 to
JUNNOUNTE NEGOTENT			
DECACHLOROBIPHENYL (DCB)	45.2		% Rec

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  - b. of negligent acts, errors or omissions of the Client; or
  - c: of Client's failure to perform its obligations under this Agreement.

nalyst: D. BUSCD Analysis Date: 17- Parameter	Result	Det. Limit Units
T WEIGHT RESULTS ITIAL WEIGHT OR VOLUME	50	mL mL
NAL WEIGHT OR VOLUME	50	mL a
UMINUM ICP SW846-6010B  naiyat: J. KRAMER Analyais Date: 18 rep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES		Test: M101_3.0
Parameter T WEIGHT RESULTS	Result	Det. Limit Units
UMINUM	BDL	0.050 mc/.L
ITIMONY ICP SW845-6010B naiyat: J. KRAMER Analysis Date: 18 rep: FAA OR ICP ACID DIGESTION OF ACUEDUS SAMPLES	I-SEP-99 02:06   Instrument: TCP S SU846-3005A P130.4.0	100 March 100 Ma
Parameter ET WEIGHT RESULTS	Result	Det. Limit Units
TIMONY	BDL	G. 030 mg/L
ET WEIGHT RESULTS	Result	Det. Limit Units
Parameter	S SW846-3005A P130.4.0  Result  BDL  B-SEP-99 02:06   Instrument: ICP	Det. Limit Units 0:010 mg/L
Parameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B Analysts Date: 18 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE Parameter	S SW846-3005A P130.4.0  Result  BDL  B-SEP-99 02:06   Instrument: ICP	Det. Limit Units 0:010 mg/L
Perameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B Analyst: J. KRAMER Analysts Date: 18 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE	S SW846-3005A P130.4.0  Result  BDL  B-SEP-99 02:06   Instrument: ICP S SW846-3005A P130.4.0	Det. Limit Units  0.010 mg/L  Test: M105.3.0
Parameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B Analyst: J. KRAMER Analysts Date: 19 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE Parameter ET WEIGHT RESULTS	S SW846-3005A P130.4.0  B-SEP-99 02:06	Det. Limit Units  0.010 mg/L  Test: #105.3.0
Parameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B  Analysts Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter	S SW846-3005A P130.4.0  B-SEP-99 02:06	Det. Limit Units  O:010 mg/L  Test: #105.3.0  Det. Limit Units  O:0040 mg/L
Parameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter ET WEIGHT RESULTS ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE	S SW846-3005A P130.4.0  BDL  B-SEP-99 02:06	Det. Limit Units  0:010 mg/L  Test: Mi05:3:0  Det. Limit Units  0:0040 mg/L  Test: Mi08:3:0
Parameter ET WEIGHT RESULTS ARIUM  ERYLLIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter ET WEIGHT RESULTS ERYLLIUM  ADMIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 10 Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter ET WEIGHT RESULTS	### SEP-99 02:06   Instrument: ICP   Result   ####################################	Det. Limit Units  O:010 mg/L  Test: Mi05.3.0  Det. Limit Units  O:0040 mg/L  Test: Mi08.3.0
Parameter ET WEIGHT RESULTS  ARIUM  ERYLLIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter	### SEP-99 02:06   Instrument: ICP   Result   ####################################	Det. Limit Units  Test: M105.3.0  Det. Limit Units  0.0040 mg/L  Test: M108.3.0  Det. Limit Units
Parameter ET WEIGHT RESULTS  ARIUM  ERYLLIUM ICP SW846-6010B  Malyst: J. KRAMER Analysis Date: 10  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter  ET WEIGHT RESULTS  ERYLLIUM  ADMIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Parameter  ET WEIGHT RESULTS  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE  Parameter  ET WEIGHT RESULTS  ADMIUM  ALCIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 10  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLE	BDL  8-SEP-99 02:06	Det. Limit Units  O:010 mg/L  Test: 8105.3.0  Det. Limit Units  O:0040 mg/L  Test: 8108.3.0  Det. Limit Units  O:0050 mg/L

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Sample ID: A495440 LLMWFB25

ET WEIGHT RESULTS	BDL	0:010 mg/L
HROMIUM	- 5U	
DBALT ICP SW846-6010B		
nalyst: J. KRAMER Analysis Date: 18-S		Test: Willia.0
Prep: FAA OR ICP ACID DIGESTION OF AGUEOUS SAMPLES S		Taxaa Taxaa
Parameter ET WEIGHT RESULTS	Result	Det. Limit Units
DBALT	BDL	0.010 mg/L
		<ul> <li>१० विकास द्वार विकास क्षार विकास क्षार विकास करा विकास करा विकास करा विकास करा विकास करा विकास करा विकास करा विकास करा करा विकास करा व करा विकास करा वित</li></ul>
OPPER ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-5	ED-00 07:04 Instrument: ICB	Teat: N\$12.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES		idaki alikedi.
garmana ang maraneter	Result	Det. Limit: State Units
EI WEIGHI RESULIS	NOOU!!	Det. Linit: Units
OPPER	BDL	0.020 mg/L
RON ICP SW846-6010B		
Analyst: J. KRAMER Analysis Date: 18:		Test: W115.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES		Dec 12-24 Indee
Parameter ET WEIGHT RESULTS	Result	Det. Limit Units
RON	BDL	0.025 mg/L
	a manage and a man	
AGNESIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-		Test: M118.3.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES		
Parameter IFT WFIGHT DESILITS	Result	Det. Limit Units
IET WEIGHT RESULTS MAGNESIUM	BDL	0.720 mg/L
MG(ESTO)	, , , , , , , , , , , , , , , , , , ,	
MANGANESE ICP SW846-6010B		
Analyst: J. KRAMER Analysis Date: 18- Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES	SEP-99 02:06 Instrument; ICP	Test; K119,3,0
Parameter	Result	Det. Limit Units
VET WEIGHT RESULTS	. Result	Jeen Linux
MANGANESE	BDL	0.010 mg/L
NICKEL ICP SW846-6010B		a chilannia di ta
Analyst: J. KRAMER Analysis Date: 18	SEP-99 02:06 Instrument: ICP	Test: <b>H122.3.</b> 0
Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES	SW846-3005A P130.4.0	
Parameter	Result	Det. Limit Units
WET WEIGHT RESULTS NICKEL	BDL	0.010 mg/L
	,	
POTASSIUM ICP SW846-6010B		
Analyst: J. KRAMER Analysis Date: 18 Prep: FAA OR [CP ACID DIGESTION OF AGUEOUS SAMPLES		Test:: N125.3.0
Parameter	Result	Det. Limit Units

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WET WEIGHT RESULTS

#### Sample ID: A495440 LLMWFB25

0.020 mg/L

Parameter WET WEIGHT RESULTS	Result	Det. Limit	Units
POTASSIUM	BDL	0.20	mg/L
SILVER ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:06  Prep: FAA OR ICP ACID DIGESTION OF AQUECUS SAMPLES SW846-3005A		Test; K13	0.3.0
Parameter VET WEIGHT RESULTS	Result	Det. Limit	1.
SILVER	BDL	0.010	mg/L
SODIUM ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:06  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A		Test: M13	1.3.0
Parameter WET WEIGHT RESULTS	Result	Det. Limit	
SODIUM	BDL	0.20	mg/L
VANADIUM ICP SW846-6010B Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:06 Prep: FAA OR 1CP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A			8,3,0
Parameter WET WEIGHT RESULTS	Result	Det. Limit	Units
VANADIUM	BDL	0.010	mg/L
ZINC ICP SW846-6010B  Analyst: J. KRAMER Analysis Date: 18-SEP-99 02:06  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	Instrument: ICP	Test: M13	9.3.0

448		Profession .	
ARSENIC TRACE ICP SW846-6010B	10,		
Analyst: G. MAPP Analysis Date: 20*SEP-99 11:32		Test: M10	3.0.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	P130.4.0		
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS	•		

	Sept 4	√2. (4 - 1 r	
LEAD TRACE ICP SW846-6010B		** *	
Analyst: G. MAPP Analysis Date: 20-SEP-99 11:3	98000000	Test: M11	6.0.0
Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	P130.4.0	ı ————————————————————————————————————	т
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS		•	
	The state of the s	CONTRACTOR OF THE SECOND SECON	the state of the s

Analyst: G. MAPP Analysts Date: 20-5EP-99 11:3.  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	3949-4959 / BA 3000 - 1200 0000 - 4000 0000 0000 0000 0000 0000	lest: #11	5.0.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
LEAD		**** *******************	mg/L
		:	

٠,٠	Parameter Parameter	Result	Det.Limit	Units
	Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMP	ES SW846-3005A P130.4.0		
	SELENIUM TRACE ICP SW846-6010B Analyst: G. MAPP Analysis Date:	20-SEP-99 11:32 Instrument: TRAC	E ICP Test: M128.0	a

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  - c. of Client's failure to perform its obligations under this Agreement.

Sample ID: A495440 LLMWFB25

Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
SELENIUM	BDL	0.0050	mg/L

THALLIUM TRACE ICP SW846-6010B  Analyst: G. MAPP  Analysis Date: 20-SEP-99 11:32  Prep: FAA OR ICP ACID DIGESTION OF AQUEOUS SAMPLES SW846-3005A	2001   270 - 270 P. 600 P.	Test: M13-	4.0.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
TUALITIM	ስ በ11	า กาก	ma/t

MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES Analyst: K. KAMARA Analysis Date: 20-SEP-99 17:00		Test: P13	1.6.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS		<i>.</i>	
INITIAL WEIGHT OR VOLUME	100		mL.
FINAL VOLUME	100		mL ·

MERCURY CVAA SW846-7470A  Analyst: R. DALAL Analysis Date: 21-SEP-99 12:56  Prep: MERCURY CVAA ACID DIGESTION OF AQUEOUS SAMPLES SW846-747		Test: #120	3.1.0
Parameter	Result	Det. Limit	Units
WET WEIGHT RESULTS			
MERCURY	RNI	0 00020	ma/f

CYANIDE DISTILLATION SW846- Analyst: P. HANLIN Ana	-9010 <b>A</b> alysis Date: 19-SEP-99 16:	50 Instrument: PREP	Test: P101.4.0
Parameter	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Result	Det. Limit Units
WET WEIGHT RESULTS			- · ·
INITIAL WEIGHT OR VOLUME	3	250	mL mL
FINAL VOLUME	the second of the second	250	<b>→</b> mL

CYANIDE, TOTAL (AUTOMATED) SW846-9012 Analyst: P. HANLIN Analysis Date: 19-SEP-99 18:45 Prep: CYANIDE DISTILLATION SW846-9010A P101.4.0	5 Instrument: AUTO-ANALYZER	Test: G10	1.4.0
Analyst: P. HANLIN Analysis Date: 19-SEP-99 18:45 Instrument: AUTO-ANALYZER Test: G101.4.0  Prep: CYANIDE DISTILLATION SW846-9010A P101.4.0  Parameter Result Det. Limit Units		Units	
WET WEIGHT RESULTS			
CYANIDE	BDL	0.005	mq/L

Sample Comments

BDL Below Detection Limit

Sample was received on ice. Sample chain of custody number 87492.

This Certificate shall not be reproduced, except in full, without the written approval of the lab.

Approved: \_\_\_\_\_\_ PK feece

Page 8 (last page)

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#### OUALITY ASSURANCE REPORT

Service Location
HERITAGE ENVIRONMENTAL SERVICES, LLC
COMMERCIAL LABORATORY OPERATIONS
7901 W. MORRIS ST.
INDIANAPOLIS, IN 46231
(317)243-8304

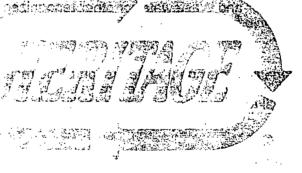
Report Date 05-0CT-99

Submitter
LOUISVILLE AND JEFFERSON COUNTY M.S.D.
KEN CONNER - MSD URBAN AREAS
400 SOUTH SIXTH STREET (40202-2397)

P.O. BOX 740011 LOUISVILLE, KY 40201

	77 2 111111					7 0 4-0 4-0 1
:: Lab ID	Date-Time Sampled	Date Received	Date Complete	Description		or definition of the control of the
A495440	16-SEP-99 11:50	16-SEP-99	29-SEP-99			
A495441	16-SEP-99 09:45	16-SEP-99	29-SEP-99			
A495442	16-SEP-99 11:55	16-SEP-99	29-SEP-99			
A495443	16-SEP-99 14:04	16-SEP-99	29-SEP-99			
A495444	16-SEP-99 09:55	16-SEP-99	04-0CT-99			
A495445	16-SEP-99 15:15	16-SEP-99	04-OCT-99			She was to be a superior of the superior of th
	ID A495440 A495441 A495442 A495443 A495444	ID Sampled  A495440 16-SEP-99 11:50  A495441 16-SEP-99 09:45  A495442 16-SEP-99 11:55  A495443 16-SEP-99 14:04  A495444 16-SEP-99 09:55	ID Sampled Received  A495440 16-SEP-99 11:50 16-SEP-99  A495441 16-SEP-99 09:45 16-SEP-99  A495442 16-SEP-99 11:55 16-SEP-99  A495443 16-SEP-99 14:04 16-SEP-99  A495444 16-SEP-99 09:55 16-SEP-99	ID         Sampled         Received         Complete           A495440         16-SEP-99 11:50         16-SEP-99 29-SEP-99           A495441         16-SEP-99 09:45         16-SEP-99 29-SEP-99           A495442         16-SEP-99 11:55         16-SEP-99 29-SEP-99           A495443         16-SEP-99 14:04         16-SEP-99 29-SEP-99           A495444         16-SEP-99 09:55         16-SEP-99 04-OCT-99	ID Sampled Received Complete  A495440 16-SEP-99 11:50 16-SEP-99 29-SEP-99  A495441 16-SEP-99 09:45 16-SEP-99 29-SEP-99  A495442 16-SEP-99 11:55 16-SEP-99 29-SEP-99  A495443 16-SEP-99 14:04 16-SEP-99 29-SEP-99  A495444 16-SEP-99 09:55 16-SEP-99 04-OCT-99  A495445 16-SEP-99 15:15 16-SEP-99 04-OCT-99	Lab         Date-Time         Date         Date Complete         Date Complete           A495440         16-SEP-99 11:50         16-SEP-99 29-SEP-99           A495441         16-SEP-99 09:45         16-SEP-99 29-SEP-99           A495442         16-SEP-99 11:55         16-SEP-99 29-SEP-99           A495443         16-SEP-99 14:04         16-SEP-99 29-SEP-99           A495444         16-SEP-99 09:55         16-SEP-99 04-0CT-99

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Run: R37 PREP	78513	Analyst.:   Reviewer:		Run Date: Review Date:				. •	5759.70	-
ас туре	Lab ID	Source	Anal Run	<del></del>						
LAG2	B102019		R378514							
.FB02L	Q102019		R378514		•			• •	্র প্রায়েশ	
FBO2H	Q102019		R378514							
SAMPLE	A495440	Rep: 0	R378514					-	Salah Beb.,	i. Ag≂geonius
P102	Q102019	A495440	R378514							
PS02	Q102019	A495440	R378514			,				~
SAMPLE	A495441	Rep: 0	R378514							
SAMPLE	A495442	Rep: 0	R378514				5.74			)
SAMPLE	A495443	Rep: 0	R378514		-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SAMPLE	A495444	Rep: 0	R378514					~ t f *_	mineros	-, 11, 4,
SAMPLE	A495445	Rep: 0	R378514							***************************************
Run: R3		Analyst.: Reviewer:		Run Date: Review Date:		Instrument:	AUTO-ANALYZER		in the second	
ас туре	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed	Units	% Rec	RPD
SLA01	9102019		CYANIDE				0005	mg/L		
<b>DL01</b>	Q102019		CYANIDE	Chings of helpoded hands	0.02		0.02	mg/L	100	1
CV01	Q102019		CYANIDE		0,15		0.153	mg/L	102	
BLA02	Q102019		CYANIDE	The second secon	is and the second of the secon		0.0005	mg/L		Ι΄.
LFB02L	.0102019		CYANIDE		0.05		0.0505	mg/L	101	
LFB02H	9102019		CYANIDE		0.25	120 J. 188	0.247	mg/L	98.8	
SAMPLE	A495440		See Cert, of	Analysis, Rep: 0		•		•		
SP102	9102019	A495440	CYANIDE	19 mg - 19 mg	0 1	0.1	0.095	mg/L	95	
PS02	9102019	A495440	CYANIDE		0	0.1	0.096	mg/L	96	1
CCV	Q102019		CYANIDE		0.1	1	0.101	mg/L	101	
	Q102020		CYANIDE	**************************************			0	mg/L		
			See Cert. of	Analysis, Rep: 0	10 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	سنسسوق أيا				
BLA01	A495441		aligar angawasana	received a production of						
BLA01 Sample	A495441 A495442		See Cert. of	Anelysis, kepi u				· · · · · · · · · · · · · · · · · · ·		
BLAO1 SAMPLE SAMPLE SAMPLE				Analysis, Rep: 0		}				
BLAO1 Sample Sample	A495442		See Cert. of	Analysis, Rep: 0						
BLAO1 SAMPLE SAMPLE SAMPLE	A495442 A495443 A495444		See Cert. of See Cert. of	Analysis, Rep: 0 Analysis, Rep: 0						
BLAO1 SAMPLE SAMPLE SAMPLE SAMPLE	A495442 A495443		See Cert. of See Cert. of	Analysis, Rep: 0	0.1		0.098	:m::/L	.98	

•	1701 011	TOP MOTI	DIGESTION	OF AQUEOUS SAMPLES SW846-3005A	The second secon
Run: R37 PREP	8401	Analyst.: D Reviewer: W		Run Date: 17-SEP-99 Review Date: 20-SEP-99	2.00 mg (1.00)
QC Type	Lab ID	Source	Anal Run	the consequence of the part for a lower consequence of	or the state of the second sine state of the s
BLA02	<b>0101988</b>	NA.	P378485	<u> </u>	
LCS	Q101989	SPEX	R378485		Angelinen and Antonio
SP102	Q101989	A495325	R378485		
DPS02	Q101989	A495325	R378485		
SAMPLE	A495440	Rep: 0	R378485		
SAMPLE	A495441	Rep: 0	R378485	and the second of the second o	Forest State (State State Stat
AMPLE	A495442	Repr 0	R378485		
SAMPLE	A495443	Rep: 0	R378485	tor sor is all transplacementages arecome	THIS IS SET OF

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Run: R37 PREP	8575	Analyst.:   Reviewer:					- <i>i</i> s		
QC Type	Lab ID	Source	Anal Run						
BLA02	Q102046	NA	R378646						
LCS	Q102046	SPEX	R378646						۵
SPI02	Q102046	A495534	R378646						
DPS02	9102046	A495534	R378646	1					
SAMPLE	A495445	Rep: 0	R378646					********************	
Run: R37		Analyst.: Reviewer:			Instrument:	ICP	·:	in the second	u fili V fil <del>s</del> e
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
tCV01	Q102001	PERKIN	ALUHINUH	<b>T</b>		1.00	mg/L	100	
CDL01	Q102001	INORGAN	ALUMINUM	10		9.91	mg/L	99.1	-
ICS-A	Q102002	PERKIN-	ALUMINUM	500		470.	mg/L	94	
BLA02	Q101988	NA .	ALUMINUM	. 3-		< 0.0200	mg/L	उन्हें और आ	ilo.
LCS	9101989	SPEX	ALUNTHUM	20.0		19.9	mg/L	99.5	25 14 1
SPI02	Q101989	A495325	ALUMINUM	0	2.00	2.10	mg/L	≟⊆ 105	
DPS02	Q101989	A495325	ALUMINUM	0	2.00	2.04	mg/L	102	2.9
CCV	9102002	INORGAN	ALUMINUM	5.00		4.91	mg/L	. 98.2	
BLA01	Q102002	NA	ALUMINUM			< 0.0200	mg/L		
SAMPLE	A495440		See Cert. of Analysis, Rep: 0						
SAMPLE	A495441		See Cert. of Analysis, Rep: 0						
SAMPLE	A495442		See Cert. of Analysis, Rep: 0	j <b>a</b>			 		
SAMPLE	A495443		See Cert, of Analysis, Rep. 0				••••		
SAMPLE	A495444		See Cert. of Analysis, Rep: 0		Gag.		.: ".7		<b>.</b>
CCY	Q102002	INORGAN	ALUMINUM	5.00		5.07	mg/L	101.4	
BLA01	Q102002	NA	ALUMINUM	科斯多利高	paid 1250	< 0.0200	mg/L	7	j. <u> </u>
ICS-A	Q102004	PERKIN-	ALUMINUM	500		472.	mg/L *	94.4	
Run: R37		Analyst.: Reviewer:	J KRAMER Run Date S ENDERSON Review Date	21-SEP-99	Instrument:	ICP ,	i de la companya de l	Carried and State of	
ICV01	<b>¤102082</b>	PERKIN	ALUMINUN			1.01	mg/L	101	
CDL01	Q102082	INORGAN	ALUMINUM	. 10	The manager	.·10.·1	mg/L	101	Ī
YCS-A	9102083	PERKIN-	ALUMINUM	500		472.	mg/L	94.4	
BLA02	Q102046	NA	ALUMINUM	-3		< 0.0200	mg/L .		
LCS	Q102046	SPEX	ALUMINUM	20.0		19.9	mg/L	99.5	
SPI02	Q102046	A495534	ALUMINUM	0	2.00	1.99	mg/L	99.5	
DPS02	9102046	A495534	ÄLUMINUM	0	2.00	1.98	mg/L	99	.5
CCV	Q102084	INORGAN	ALUMINUM	5.00		4.88	mg/L	97.6	
BLA01	Q102084	NA	ALUMINUM			< 0.0200	mg/L		
SAMPLE	A495445		See Cert. of Analysis, Rep: 0						
CCV	Q102084	INORGAN	ALUMINUM	5.00		4.95	mg/L	99	
	1	1	1	I	1	1		1	I
BLA01	Q102084	NA NA	ALUMINUM	į		< 0.0200	mg/L	ŀ	·. I

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ANTIMO	NY ICP	SW846-60	10B				MI	02.3
Prep:	FAA OR	ICP ACI	D DIGESTI	ION OF AQUEOUS	SAMPLES	SW846-3005A		12. inceremical
Run: R37 PREP	8401	Analyst.: [ Reviewer: i		Run Date: Review Date:			3.78.27A	ons ynady sea
QC Type	Lab ID	Source	Anal Run					
BLAOZ	Q101988	NA	R378485					
LCS	Q101989	SPEX	R378485		anne sait to see the	e tie van de	والمهدود	or of Ingester of the i
SP102	D101989	A495325	R378485					
DPS02	Q101989	A495325	R378485	राग करणा है से स्वा	elentin s	erener be		NATURAL DESCRIPTION

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ас Туре	Lab ID	Source	Anat Run						
SAMPLE	A495440	Rep: 0	R378485						***************************************
SAMPLE	A495441	Rep: 0	R378485						
SAMPLE	A495442	Rep: 0	R378485						
SAMPLE	A495443	Rep: 0	R378485						
SAMPLE	A495444	Rep: 0	R378485						
Run: R37 PREP	78575	Analyst.: [ Reviewer: i							
BLAD2	Q102046	MA	R378646						***************
LCS	0102046	SPEX	R378646						
SP102	Q102046	A495534	R378646						
DPS02	<b>Q102046</b>	A495534	R378646					7	
SAMPLE	A495445	Repr 0	R378646						***************************************
Run: R37		Analyst.: Reviewer:			Instrument:	ICP		a terapjeta <del>de a</del> nn a fila et ann a	
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
YCV01	0102001	PERKIN	ANTIMONY			0.931	mg/L	93.1	
CDL01	Q102001	PERKIN	ANTIMONY	0.120		0.120	mg/L	100	1
ICS-A	Q102001	PERKIN	ANTIMONY	0.6		0,524	mg/L	87.3	
BLA02	Q101988	NA	ANTIMONY			< 0.0120	mg/L		
LCS	Q101989	SPEX	ANTIMONY	5.00		5.08	mg/L	101.6	
SP102	Q101989	A495325	ANTIMONY	0	0.500	0.505	mg/L	101	
DPS02	<b>¤101989</b>	A495325	ANTIMONY	0	0.500	0.498	mg/L	99.6	1,4
CCV	Q102002	INORGAN	ANTIMONY	1		0.973	mg/L	97.3	
BLAG1	9102002	NA	ANTIMONY			< 0.0120	mg/L		
SAMPLE	A495440		See Cert. of Analysis, Rep: 0	10.4 5571	1		1.	ŀ	
SAMPLE	A495441		See Cert, of Analysis, Rep: 0						
SAMPLE	A495442		See Cert. of Analysis, Rep: 0	ign Lander of the state	المراسية	*** ** *******************************	~		
SAMPLE	A495443		See Cert. of Analysis, Rep. 0						
SAMPLE	A495444	i .	See Cert. of Analysis, Rep: 0	رُرُّ الله و الله أما			1 ~		1.
CCA	Q102002	INORGAN	ANTIMONY	1		0.966	mg/L	96.6	
BLA01	Q102002	NA	ANTIMONY	**************************************	5 5 5 5	< 0.0120 ·	mg/L		
CDL01	0102004	PERKIN	ANTIMONY	0.120		0.132	mg/L	110	
ICS-A	Q102004	PERKIN	ANT IMONY 3	0.6		0.517	mg/L	86.2	
Run: R3		Analyst.: Reviewer:	J KRAMER Run Date: 21-S S ENDERSON Review Date: 22-S		Instrument:	ICP			
ICV01	Q102082	PERKIN	ANTIMONY	1-1		0.985	mg/L	98.5	
CDL01	Q102082	PERKIN	ANTIMONY	0.120	1	0.110	mg/L	91.7	
ICS-A	Q102082	PERKIN	ANTIMONY	0.6		0.630	mg/L	105	
BLA02	Q102046	NA	ANTIMONY			< 0.0120	mg/L		
LCS	Q102046	SPEX	ANTIMONY	5.00		5.14	mg/L	102.8	
SP102	Q102046	A495534	ANTIMONY	0.	0.500	0.505	mg/L	101	
DPSOZ	Q102046	A495534	ANTIMONY	0	0.500	0.506	mg/L	101,2	.2
CCA	Q102084	INORGAN	ANTIMONY	1		0.987	mg/L	98.7	
BLA01	9102084	NA	YNOMITHA			< 0.0120	mg/L		
SAMPLE	A495445		See Cert. of Analysis, Rep: 0			1			
SAMP LE		of consumer and a second	ANTIMONY			0.993	mg/L	99,3	
	<b>Q102084</b>	INORGAN							
CCV	9102084 - 9102084	NA ,	ANTIMONY			0.0232	mg/L	30	
CCV BLA01 CDL01		NA ,	** ************************************	0.120		0.0232 0.134	mg/L mg/L	111.7	

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Run: R37	3401	Analyst.:	D BUSCO	Run Date: 17				• •.	-100 T	5
PREP	Lab ID	Reviewer:	Anal Run	Review Date: 20	-SEP-99				,427,44	
C Type	A495440	Rep: 0	R378572						***************************************	······································
AMPLE	A495441	Rep: 0	R378572						688% I	٠ د
AMPLE	A495442	Rep: 0	R378572						* ***********	*******
AMPLE	A495443	Rep: 0	R378572							i sipi
AMPLE	A495444	Rep: 0	R378572						······································	
BLA02	Q101989	NA	R378572					-	11374 1137	
LCS	Q101989	INORGAN	R378572							***********
SPIO2	Q101989	A495325	R378572						acir:≥B°	<u> </u>
DPS02	Q101989	A495325	R378572		***************************************				and the second s	# <b>*</b>
Run: R37		Analyst.:		Run Date: 2	-655-00				OFFICIAL T	<u></u>
PREP	6715	Reviewer:		Review Date: 2					1925 <b>1</b> 02	
SAMPLE	A495445	Rep: 0	R378707							
BLA02	Q102046	NA	R378707						santi (	
LCS	Q102046	INORGAN	R378707							
SPI02	Q102046	A495534	R378707							
DPS02	Q102046	A495534	R378707							************
Run: R37	· <b></b>	Analyst.: Reviewer:		Run Date: 2 Review Date: 2	)-SEP-99	Instrument:	TRACE ICP	:	1956年17月1日)	
C Type	Lab ID	Source	<del></del>	REVIEW DALE: Z	True/Sampl		Observed	Units	. % Rec	RPC
ICVO1	Q102036	PERKIN-	ARSEN1C	.,r	0.05	Spike vat	0.0517		103.4	KPU
	Q102036	INORGAN	ARSENIC			gasa topas	0.514	mg/L	102.8	
CDL01 ICS-A		PERKIN					0.0985	mg/L	98.5	
	Q102036 Q102036	INORGAN	ARSENIC ARSENIC	4 4 4 . FM :	0.1 √ 0.1	5.32	0.100	mg/L	100	
CCV BLA01	Q102036	NA	ARSENIC	7 7 7 . SIG F	j   0.1 754	lisi .	< 0.00200	mg/L	**1:100	
BLAUI	Q101989	NA.	ARSENIC				< 0.00200	mg/L	******	
LCS	Q101989	INORGAN	ARSENIC		0.5		0.569	mg/L	113.8	
SPI02	Q101989	A495325	ARSENIC	300	0.	2	2.00	mg/L	100	
5P102 DPS02	Q101989	A495325	ARSENIC	i i i i i i i i i i i i i i i i i i i	۵۰۰ انفر 0	2	1.94	mg/L	97	
SAMPLE	A495440	A473323		f Amelyoio Dema O	U	-	1.74	mg/L	<b>y</b> f	
SAMPLE	A495441		1	f Analysis, Rep: 0 f Analysis, Rep: 0			<u> </u>		\$ 41100011111111111111111111111111111111	
SAMPLE	A495442		T	f Analysis, Rep: 0						
SAMPLE				f Analysis, Rep. 0 f Analysis, Rep. 0						
CCV	A495443 Q102037	INORGAN	ARSENIC	r Anatysis, kep: u	0.1		0.0975	/1	97.5	
BLAO1	9102037	A	ARSENIC		0.1		< 0.00200	mg/L	77.5	
SAMPLE	A495444	104		f Analysis, Rep: 0			C 0.00200	mg/L		
CCV	Q102037	INORGAN	ARSENIC	i Allatysis, kep: U	0.1		0.0978	mg/L	97.8	
BLA01	Q102037	NA .	ARSENIC				< 0.00200			
CDL01	Q102038	PERKIN-	ARSENIC		0.02		0.0184	mg/L	92	
ICS-A	Q102038	PERKIN	ARSENIC		0.1		0.0959	mg/L	95.9	******
Run: R37		Analyst.:		Run Date: 2	2-SEP-99	Instrument:		mg/L	y y	1
ANALYTIC	AL	Reviewer:	A HILSCHER	Review Date: 2	3-SEP-99				्रात्मी प्रमान	- F
ICV01	9102133	PERKIN-	ARSENIC		0.05		0.0487	mg/L	97.4	
CDL01	Q102134	INORGAN	ARSENIC		0.5		0.502	mg/L	주( 100.4	
ICS-A	Q102134	PERKIN	ARSEN1C		0.1		0.101	mg/L	101	
CCV	9102134	INORGAN	ARSENIC		0.1		0.103	mg/L	103	. ]
BLA01	Q102134	NA	ARSENIC				< 0.00200	mg/L		
BLA02	Q102046	NA	ARSENIC				< 0.00200	mg/L		
LCS	Q102046	INORGAN	ARSENIC		0.5		0.514	mg/L	102.8	
SP102	Q102046	A495534	ARSENIC	water a promote the beautiful	· · · · · · · · · · · · · · · · · · ·	1 2	2.05	mg/L	102.5	S. 157

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QC Type	Lab ID	Source	Parameter	True/Sampl		Observed	Units	% Rec	RPD
DPS02	Q102046	A495534				2	mg/L	100	2.5
SAMPLE	A495445		See Cert. of Analysis, Rep: 0				1,5040.		
CCV	Q102134	INORGAN	ARSENIC	0.1		0.103	mg/L	103	
BLA01	Q102134	NA	ARSENIC			< 0.00200	mg/L		
CDL01	Q102135	PERKIN-	ARSENIC	U.UZ		0.0172	mg/L	86	
ICS-A	Q102135	PERKIN	ARSENIC	0.1	<u> </u>	0.0969	mg/L	96.9	Ī

CDL01					1 111	1.0	1 70.2	100/1	÷−   102	C 150
1001	9102082 9102082	INORGAN	BARIUM		10		1.02	mg/L mg/L	102	
ANALYTI		PERKIN	S ENDERSON	Review Date: 22			4 00		A CONTRACTOR	ુ 
Run: R3		Analyst.:		Run Date: 21		Instrument:	ICP	Aggin.		
ICS-A	Q102004	PERKIN	BARTUN		0.500		0.481	mg/L	96.2	
BĿA01	<b>Q102002</b>	NA	BARIUM				< 0.00400		57 B 104	۸·
CCV	Q102002	INORGAN	BARIUM		5.00		5.13	mg/L	102.6	
SAMPLE	A495444	ar bert		Analysis, Rep: 0		]		11.16	17-11-45	7 4
SAMPLE	A495443			Analysis, Rep: 0						
SAMPLE	A495442	1	1	Analysis, Rep: 0				េជខ		
SAMPLE	A495441	4.1.2 53.4 6	<u>"1</u>	Analysis, Rep. 0					د في را (۱۰ مه	
SAMPLE	A495440	101 8077	•	Analysis, Rep: 0		300			رف ر ۲۰ انځ	
BLAO1	0102002	NA	BARTUN				< 0.00400	mg/L		
CCV	9102002	INORGAN	BARIUM		5.00		4.93	mg/L	98.6	
PS02	9101989	A495325	BARIUM		0.120	2.00	2.12	mg/L	100	4
SPI02	Q101989	A495325	BARIUM		0.120	2.00	2.14	mg/L	101	
.CS	Q101989	SPEX	BARIUM		20.0		20.3	mg/L	101.5	
BLA02	9101988	NA	BARIUM				< 0.00400	mg/L		1
ICS-A	Q102001	PERKIN	BARIUM		0.500		0.471	mg/L	94.2	
CDLO1	Q102001	INORGAN	BARIUM		10		9.97	mg/L	99.7	
OC Type	Lab ID	PERKIN	BARIUN	t turktir a magist	1 rue/sampt	Shire Agr	1.01	mg/L	101	I KP
ANALYTI	CAL		S ENDERSON Parameter	Review Date: 20		Joseph Market (1		Units	% Rec	RP
Run: R3	78485	Analyst.:		Run Date: 17		Instrument:	ICP			
SAMPLE	A495445	Rep: 0	R378646	ा व व व व व व	7 .47 // 1:(47)	. 1145 4	e	. 1 . 5 .	• •	
PS02	Q102046	A495534	R378646	1774-78	1 3 4 7	.71		-13 5a	oran and an a	
P102	0102046	A495534	R378646	5.7	and the second		***			
CS	9102046	SPEX	R378646	化二十二十十十十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二	Prometor		**A	· · · · ·	***************************************	
LA02	Q102046	NA NA	R378646	A ROVIEW DUCC. CI	<u> </u>	~#X.;	1776	44		
Run: R37	78575	Analyst.:   Reviewer:		Run Date: 21 Review Date: 21	-SEP-99		Sharp.	go e		
AMPLE	A495444	Rep: 0	R378485							
SAMPLE	A495443	Rep: 0	R378485						·.	
AMPLE	A495442	Rep: 0	R378485							
AMPLE	A495441	Rep: 0	R378485							
AMPLE	A495440	Rep: 0	R378485							
PS02	Q101989	A495325	R378485							*********
P102	9101989	A495325	R378485							
CS	Q101989	SPEX	R378485					od early	39.72	
LA02	0101988	NA.	R378485						. (0.138) C. 1.1.	
PREP C Type	Lab ID	Reviewer: N	Anal Run	Review Date: 20	-SEP-99	· ·		M.S. 148 <b>5</b>	الان بريد	
Run: R37	78401	Analyst.: [		Run Date: 17				512 <b>3603</b> 8	WPI YES	-
Prep:	FAA OR	ICP ACI	D DIGESTIO	N OF AQUEOUS SA	AMPLES SW8	46-3005A		121 192	न्यानुस्य	
		1846-6010	National Company of the Company of t				K XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	M104.3		
			48884888. AA TOO BEEL BOOK						1 - 1.79 K, Y	*

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102082	DEDETH			Spike Val	Observed	Units	% Rec	RPD
	PERKIN	BARIUM	0.500		0.476	mg/L	95.2	
102046	NA	BARIUM			< 0.00400	mg/L. ∴	Caraba	
102046	SPEX	BARIUM	20.0		20.2	mg/L	101	
102046	A495534	BARIUM	0.104	2.00	2.11	mg/L	100.3	
102046	A495534	BARIUM	0.104	2.00	2.08	mg/L	98.8	1.5
102084	INORGAN	BARIUM	5.00		4.91	mg/L	98.2	
102084	NA	BARIUM			< 0.00400	mg/L		
495445	,				4, 45 4 4	ज्ञानविक्तात्व्यः । <b>द</b>	and the	11.
102084	INORGAN	BARIUM	5.00		4.94	mg/L	98.8	
102084	NA	BARIUM			< 0.00400	mg/L	: <b>(</b> )(	1.
102085	PERKIN	BARIUM	0.500		0.484	mg/L	96.8	
1 1 1 4 1	02046 02046 02046 02084 02084 02084 95445	02046 SPEX 02046 A495534 02046 A495534 02084 INORGAN 02084 NA 95445 02084 INORGAN	02046 SPEX BARIUM 02046 A495534 BARIUM 02046 A495534 BARIUM 02084 INORGAN BARIUM 02084 NA BARIUM 95445 See Cert. of Analysis, Rep: 0 02084 INORGAN BARIUM	02046         SPEX         BARIUM         20.0           02046         A495534         BARIUM         0.104           02046         AA95334         BARIUM         0:104           02084         INORGAN         BARIUM         5.00           02084         NA         BARIUM         5.00           95445         See Cert. of Analysis, Rep: 0         5.00           02084         INORGAN         BARIUM         5.00	02046         SPEX         BARIUM         20.0           02046         A495534         BARIUM         0.104         2.00           02046         A495534         BARIUM         0.104         2.00           02084         INORGAN         BARIUM         5.00           02084         NA         BARIUM         5.00           95445         See Cert. of Analysis, Rep: 0         5.00	02046         SPEX         BARIUM         20.0         20.2           02046         A495534         BARIUM         0.104         2.00         2.11           02046         A495534         BARIUM         0.104         2.00         2.08           02084         INORGAN         BARIUM         5.00         4.91           02084         NA         BARIUM         < 0.00400	02046         SPEX         BARIUM         20.0         20.2         mg/L           02046         A495534         BARIUM         0.104         2.00         2.11         mg/L           02046         A495534         BARIUM         0.104         2.00         2.08         mg/L           02084         INORGAN         BARIUM         5.00         4.91         mg/L           02084         NA         BARIUM         5.00         4.94         mg/L           02084         INORGAN         BARIUM         5.00         4.94         mg/L           02084         INORGAN         BARIUM         5.00         4.94         mg/L           02084         NA         BARIUM         0.500         0.484         mg/L	D2046         SPEX         BARIUM         20.0         20.2         mg/L         101           02046         A495534         BARIUM         0.104         2.00         2.11         mg/L         100.3           02046         A495534         BARIUM         0.104         2.00         2.08         mg/L         98.8           02084         INORGAN         BARIUM         5.00         4.91         mg/L         98.2           02084         NA         BARIUM         < 0.00400

DEDVII	TIM TO	SW846-	EN1AD				<u> </u>	105.3	5,4	. <u>.</u>
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Run: R37	8401	Analyst.: Reviewer:		Run Date: 17 Review Date: 20			· ·	. siece re		( A) .
С Туре	Lab ID	Source	Anal Run					ান্দ্ৰী 🗝		.,
LA02	9101988	NA	R378485							
.cs	Q101989	SPEX	R378485		,					
SP102	<b>0101989</b>	A495325	R378485					· · · · · · · · · · · · · · · · · · ·		
PS02	Q101989	A495325	R378485		À				$7\Lambda$ $\circ$	
SAMPLE	A495440	Rep: 0	R378485	147 - 147 -	NATIONAL PROPERTY			1.2 2120,4-1		
SAMPLE	A495441	Rep: 0	R378485	The second secon				11775	i at i	
SAMPLE	A495442	Rep: 0	R378485			= ', <u>e</u>	C. J. M.			
SAMPLE	A495443	Rep: 0	R378485		495-74	garan) yang s	. % e4	2√a-17a-1		: <u> </u>
SAMPLE	A495444	Rep: 0	R378485			, , , , , , , , , , , , , , , , , , ,				
Run: R37 PREP	8575	Analyst.: Reviewer:		Run Date. 21	-SEP-99	VAL	1	TABLE T		
BLA02	9102046	NA	R378646							
LCS	Q102046	SPEX	R378646	Ti San garan ng		tinggati ja ja ji ji ja j				
SP102	0102046	A495534	R378646	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	South Andrews	ering very specific				
DPSO2	Q102046	A495534	R378646		ų			15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		******
SAMPLE	A495445		R378646					, 1,000		
Run: R37		Analyst.:	J KRAMER S ENDERSON	Run Date: 17 Review Date: 20		nstrument:	ICP '	ere gåre s		
QC Type	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed :	Units	% Rec	RP
ICV01	9102001	PERKIN	BERYLLIUM				0.934	mg/L	93.4	
CDL01	Q102001	INORGAN	BERYLLIUM		10		9.72	mg/L	97.2	1
ICS-A	Q102001	PERKIN	BERYLLIUM		0.500		0.441	mg/L	88.2	
BLA02	Q101988	NA	BERYLLIUM				< 0.00160	mg/L		
LCS	Q101989	SPEX	BERYLLIUM		0.500		0,495	mg/L	99	
SPI02	Q101989	A495325	BERYLLIUM	response in the reflecting of gen	0	0.050	0.0491	mg/L	98.2	1
DPS02	Q101989	A495325	BERYLLIUM		0	0.050	0.0485	mg/L	97	1.2
CCV	Q102002	INORGAN	BERYLLIUM		5.00		4.88	mg/L	97.6	1
BLA01	0102002	NA	BERYLLIUM				< 0.00160	mg/L		
SAMPLE	A495440	11.45.37	See Cert.	of Analysis, Rep: 0	di i ve		- ೧೮೮ <u>೪ ಚಿ</u>	9 11 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.132	
SAMPLE	A495441			of Analysis, Rep: 0				,		
SAMPLE	A495442			of Analysis, Rep: 0		•••••				1
SAMPLE	A495443			of Analysis, Rep: 0						
SAMPLE	A495444			of Analysis, Rep: 0		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
CCV	<b>102002</b>	INORGAN	BERYLLIUM		5.00		5.03	mp/L	100.6	1
BLA01	9102002	NA	BERYLLIUM	e de la companya del companya de la companya del companya de la co		. 4	< 0.00160	mg/L		3 1.
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- 1. <u>Agreement</u>- To initiate services. Client must sign the Heritage Laboratory Services Quotation form and submit a written purchase order. Submittal of a purchase order and/or samples constitutes acceptance and acknowledgment by Client to be bound by this Agreement.
- 2. <u>Fees</u>- Heritage shall provide services at the prices stated in its Quotation. Heritage reserves the right to change prices after providing Client with a 30 day notification.
- 3. Taxes- Prices do not include taxes. It is the Client's responsibility to provide documentation to Heritage if the Client is exempt from tax liability.

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- 4. Payment- Invoices are payable on receipt. All outstanding balances unpaid after 30 days of Client's receipt of invoices are subject to interest, either 1.5% per month or the amount permissible under applicable law.
- 5. <u>Samples</u>- Samples delivered to Heritage by others are taken "as is". Heritage makes no guarantee nor representation as to chain-of-custody prior to acceptance by Heritage. Heritage will not be responsible for exceeding holding times if the samples are not promptly delivered. All samples delivered on the weekends or after hours must be scheduled in advance.
- 6. <u>Sample Retention</u>- Samples and sample derivatives will be kept for 15 days after the report of analysis is made. Sample storage beyond 15 days is available at extra cost.
- 7. Sample Analysis- Heritage uses analytical methods which conform with the U.S. EPA, State Agency, American Society for Testing & Materials. Association of Official Analytical Chemists, Standard Methods for the Examination of Water and Wastewater or other recognized methodologies. Records of Heritage Laboratory procedures, including the Heritage Quality Assurance Program Plan, may be inspected by Clients.
- 8. <u>Sample Reports</u>- Heritage shall provide a written report of the results of its services which will include test results, detection limits, dates of analysis, the analyst, and analytical method references. Additional documentation and special reports are available for additional fees, but must be arranged prior to sample delivery.
- 9. <u>Confidentiality</u>- Heritage shall not disclose results or any other information provided by the Client to any third party, except where required by law. Heritage shall have no obligation to oppose any legal proceeding taken to obtain laboratory test results of confidential information.
- 10. <u>Additional or Different Tasks</u>- If additional analytical testing is necessary due to sample matrix interferences, multi-phase samples or any factor not disclosed to Heritage prior to its acceptance of the sample, the Client will be notified of the additional cost and will be given the opportunity to agree to the additional work or return of the sample.
- 11. Cancellation- If the Client cancels its order after the sample has been prepped and analyzed, the full fee in Heritage's quotation will apply. A \$25 cancellation fee will apply if a sample is delivered and accepted at the laboratory.
- 12. <u>Indemnification</u>- Client agrees to indemnify and hold harmless Heritage from all loss, damage, cost and expenses, including attorney fees from any suit, claim or action against Heritage or which names Heritage as a party because:
  - a. Heritage performed analysis or work for the Client.
  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

ас туре	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed	Units	% Rec	RPD
CDL01	Q102004	PERKIN	BERYLLIUM		0.010		0.00940	mg/L	94	
IČS-A	Q102004	PERKIN	BERYLLIUM		0.500		0.436	mg/L	87.2	
Run: R37		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: 21-S Review Date: 22-S		instrument:	ICP			
ICV01	Q102082	PERKIN	BERYLLIUM				0.966	mg/L	96.6	
CDL01	Q102082	INORGAN	BERYLLIUM		10		10.1	mg/L	101	Ī
ICS-A	0102082	PERKIN	BERYLLIUM		0.500		0.442	mg/L	88.4	
BLA02	Q102046	NA .	BERYLLIUM		1		< 0.00160	mg/L	, ,	1
LCS	Q102046	SPEX	BERYLLIUM		0.500		0.477	mg/L	95.4	
SPI02	Q102046	A495534	BERYLLIUM		0	0.050	0.0466	mg/L	93.2	
DPSOZ	Q102046	A495534	BERYLLIUM		0	0,050	0.0460	mg/L	92	1.3
CCV	Q102084	INORGAN	BERYLLIUM		5.00		4.70	mg/L	. 94	i
BLA01	Q102084	NA	BERYLLIUM				0.00178	mg/L		
SAMPLE	A495445	115,74,45,74	See Cert. of An	alysis, Rep: 0					NA ST. ST.	
CCV	Q102084	INORGAN	BERYLLIUM		5.00		4.86	mg/L	97.2	
BLA01	Q102084	NA	BERYLLIUM				< 0.00160	mg/L	i	
CDL01	Q102085	PERKIN	BERYLLIUM		0.010		0.00971	mg/L	97.1	
ICS-A	Q102085	PERKIN	BERYLLIUM		0.500		0.447	mg/L	89.4	1

Run: R37 PREP	78401	Analyst.: Reviewer:	D BUSCO W WATNESS	Run Date: 17- Review Date: 20-	SEP-99 SEP-99		Song) Song)			
QC Туре	Lab ID	Source	Anal Run	The state of the s	~ 14 /m 1 #7/47		. 5:13			
BLAOZ	Q101988		R378485							
LCS	Q101989	SPEX	R378485	J		* 11. 12.	: , === //\@			
SP102	₽101989	A495325	R378485							
DPS02	Q101989	A495325	R378485	فنتازه فتطن البائد أرسيدرا المديدان	د : ند فقطهد		( T. S.			
SAMPLE	A495440	Rep: 0	R378485							
SAMPLE	A495441	Rep: 0	R378485		group, ver e	Tylus Marie	<u>, i</u>			
SAMPLE	A495442	Rep: 0	R378485							
SAMPLE	A495443	Rep: 0	R378485						***************************************	
SAMPLE	A495444	Rep: 0	R378485							
Run: R37	78575	Analyst.: Reviewer:		Run Date: 21- Review Date: 21-						
BLA02	Q102046	NA	R378646						***************************************	
LCS	Q102046	SPEX	R378646							
SP102	0102046	A495534	R378646		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				***************************************	
DLIAT	W.1UZU40		121.0040					· · · · · · · · · · · · · · · · · · ·	•••••••••••••••••••••••••••••••••••••••	
DPS02	Q102046	A495534	R378646							
<del></del>	· · · · · · · · · · · · · · · · · · ·									
DPS02	Q102046 A495445 78485	A495534 Rep: 0	R378646 R378646	Run Date: 17 Review Date: 20		instrument:	ICP	-2:	· 1	
DPS02 SAMPLE Run: R3 ANALYTI QC Type	Q102046 A495445 78485	A495534 Rep: 0 Analyst.: Reviewer: Source	R378646 R378646 J KRAMER S ENDERSON Parameter		SEP-99 True/Sampl	Instrument:	0bserved	Units	% Rec	RPD
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01	Q102046 A495445 78485 CAL Lab ID Q102001	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM		SEP-99		Observed 0.968	Units mg/L	% Rec 96.8	RPD
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01	Q102046 A495445 78485 CAL Lab ID	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN	R378646 R378646 J KRAMER S ENDERSON Parameter		SEP-99 True/Sampl		0bserved	Units	% Rec 96.8 97.4	RPD
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A	Q102046 A495445 78485 CAL Lab ID Q102001	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM		SEP-99 True/Sampl		Observed 0.968 9.74 0.858	Units mg/L	% Rec 96.8	RPD
DPS02 SAMPLE Run: R3 ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q102001 Q101988	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM CADMIUM		SEP-99 True/Sampl 1 10 1.00		Observed 0.968 9.74 0.858 < 0.00200	Units mg/L mg/L	% Rec 96,8 97.4 85.8	RPD
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM CADMIUM		True/Sampl		Observed 0.968 9.74 0.858 < 0.00200 0.500	Units mg/L mg/L mg/L mg/L mg/L	X Rec 96,8 97.4 85.8	RPD
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SP102	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM CADMIUM CADMIUM CADMIUM		SEP-99 True/Sampl 1 10 1.00	Spike Val	Observed 0.968 9.74 0.858 < 0.00200 0.500 0.0480	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L	X Rec 96.8 97.4 85.8 100 96	
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SP102 DPS02	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 A495325	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM		SEP-99   True/Sampl   1	Spike Val	0bserved 0.968 9.74 0.858 < 0.00200 0.500 0.0480 0.0494	Units mg/L mg/L mg/L mg/L mg/L	% Rec 96.8 97.4 85.8 100 96 98.8	RPC
DPS02 SAMPLE Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SP102	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 J KRAMER S ENDERSON Parameter CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM CADMIUM		SEP-99   True/Sampl   1	Spike Val	Observed 0.968 9.74 0.858 < 0.00200 0.500 0.0480	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L	X Rec 96.8 97.4 85.8 100 96	

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- 6. <u>Sample Retention-</u> Samples and sample derivatives will be kept for 15 days after the report of analysis is made. Sample storage beyond 15 days is available at extra cost.

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- 7. Sample Analysis- Heritage uses analytical methods which conform with the U.S. EPA, State Agency, American Society for Testing & Materials, Association of Official Analytical Chemists, Standard Methods for the Examination of Water and Wastewater or other recognized methodologies. Records of Heritage Laboratory procedures, including the Heritage Quality Assurance Program Plan, may be inspected by Clients.
- 8. <u>Sample Reports</u>- Heritage shall provide a written report of the results of its services which will include test results, detection limits, dates of analysis, the analyst, and analytical method references. Additional documentation and special reports are available for additional fees, but must be arranged prior to sample delivery.
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    - a. Heritage performed analysis or work for the Client.
    - b. of negligent acts; errors or omissions of the Client; or
    - c. of Client's failure to perform its obligations under this Agreement.

QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	%-Rec	RPD
SAMPLE	A495440		See Cert. of Analysis, Rep: 0						
SAMPLE	A495441		See Cert. of Analysis, Rep: 0						
SAMPLE	A495442		See Cert. of Analysis, Rep: 0						
SAMPLE	A495443		See Cert. of Analysis, Rep: 0		}				
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
CCV	Q102002	INORGAN	CADMIUM	5.00		4.97	mg/L	99.4	1
BLA01	9102002	NA.	CADMIUM			< 0.00200	mg/L		
CDL01	Q102004	PERKIN	CADMIUM	0.010		0.0101	mg/L	101	
ICS-A	9102004	PERKIN	CADHIUM	1.00		0.844	mg/L	84.4	
Run: R3		Analyst.: Reviewer:	J KRAMER Run Date: 21-S S ENDERSON Review Date: 22-S		Instrument:	ICP		naveS.	
1CV01	Q102082	PERKIN	CADMIUN			1.00	mg/L	100	
CDL01	0102082	INORGAN	CADMIUM	10		10.1	mg/L	101	li,
ICS-A	9102082	PERKIN	CADMIUM	1.00		0.855	mg/L	85.5	
BLA02	Q102046	NA .	CADMIUM		44 P.	< 0.00200	mg/L	H HILL	17
	0102046	SPEX	CADMIUM	0.500		0.477	mg/L	95.4	
LCS	W102040								1.
LCS SPI02	Q102046	A495534	CADMIUM	0	0.050	0.0463	mg/L	92.6	
		A495534 A495534	CADMIUM CADMIUM	0 0	0.050 0.050	0.0463 0.0440	mg/L mg/L	≈ 92.6 88	5.1
SPI02	Q102046							I	5.1
SPIO2 DPSO2	Q102046 Q102046	A495534	CADMIUM	0		0.0440	mg/L	88	5.1
SPIO2 DPSO2 CCV	Q102046 Q102046 Q102084	A495534 I NORGAN	CADMIUM CADMIUM	0		0.0440 4.64	mg/L mg/L	88	5.1
SPI02 DPS02 CCV BLA01	Q102046 Q102046 Q102084 Q102084	A495534 I NORGAN	CADMIUM CADMIUM CADMIUM	0		0.0440 4.64	mg/L mg/L	88	5.1
SPI02 DPS02 CCV BLA01 SAMPLE	Q102046 Q102046 Q102084 Q102084 A495445	A495534 I NORGAN NA	CADMIUM CADMIUM CADMIUM See Cert. of Analysis, Rep: 0	0 5.00		0.0440 4.64 < 0.00200	mg/L mg/L mg/L	88 92.8	5.1
SPI02 DPS02 CCV BLA01 SAMPLE CCV	Q102046 Q102046 Q102084 Q102084 A495445 Q102084	A495534 INORGAN NA INORGAN	CADMIUM  CADMIUM  CADMIUM  See Cert. of Analysis, Rep: 0  CADMIUM	0 5.00		0.0440 4.64 < 0.00200 4.81	mg/L mg/L mg/L	88 92.8	5.1

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	-		ID DIGLS	TOW OF MOLOGS	SAITI ELS	340-0-30	75A	- missingle
Run: R37 PREP	8401	Analyst.: Reviewer:		Run Date: Review Date:	20-SEP-99		g to the Spirit	
QC Type	Lab ID	Source	Anal Run	Control Control	موم براد معورست. مداعمه تامعگر	-	, at-	
BLA02	Q101988	NA	R378485					
LCS	Q101989	SPEX	R378485					
SPI02	<b>¤101989</b>	A495325	R378485					
DPS02	Q101989	A495325	R378485					
SAMPLE	A495440	Rep: 0	R378485					
SAMPLE	A495441	Rep: 0	R378485					
SAMPLE	A495442	Rep: 0	R378485					
SAMPLE	A495443	Rep: 0	R378485	***************************************			***************************************	w = 7
SAMPLE	A495444	Rep: 0	R378485					·
Run: R37 PREP	78575	Analyst.: Reviewer:		Run Date: Review Date:				
BLA02	Q102046	NA	R378646					
LCS	Q102046	SPEX	R378646					
SP102	9102046	A495534	R378646					
DPS02	Q102046	A495534	R378646		Best Gille	1000	31 10	13 E11 8 Q ( \$ 10 )
SAMPLE	A495445	Rep: 0	R378646					
Run: R37 ANALYTIC		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: Review Date:		Instrume	nt: ICP	
QC Type	Lab ID	Source	Parameter		True/	Sampl Spike	Val Observed	Units % Rec RPD
1CV01	Q102001	SPEX	CALCIUM		20		20.0	mg/L 100
ICS-A	Q102002	PERKIN-	CALCIUM	in a confined	500	enamental en la disconsida	468.	mg/L 93.6

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2C Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
LAO2	Q101988	NA	CALCIUM			< 0.0800	mg/L		
.cs	Q101989	SPEX	CALCIUM	100		101.	mg/L	101	
SP102	Q101989	A495325	CALCIUM	84.2	100	182.	mg/L	97.8	
PS02	Q101989	A495325	CALCIUM	84.2	100	179.	mg/L	94.8	3.1
CCV	9102002	INORGAN	CALCIUM	50.0		49.4	mg/L	98.8	
BLA01	Q102002	NA	CALCIUM			< 0.0800	mg/L		
SAMPLE	A495440		See Cert. of Analysis, Rep: 0						
SAMPLE	A495441		See Cert. of Analysis, Rep: 0	1				4 34 "	1.
SAMPLE	A495442		See Cert. of Analysis, Rep: 0						
SAMPLE	A495443		See Cert. of Analysis, Rep: 0			1			- i=
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
CCV	9102002	INORGAN	CALCIUM	50.0		50.2	mg/L: 1	€ 100.4	1
BLA01	0102002	NA	CALCIUM			< 0.0800	mg/L		
						1			LA.
ICS-A	9102004	PERKIN-	CALCIUM	500	<u> </u>	454.	mg/L 🛪	, 90.8	1
ICS-A Run: R37 ANALYTIC	78646	Analyst.:	<u> </u>	EP-99	Instrument:	<del></del>	i water	4-109.3 13-003	
Run: R37	78646	Analyst.:	J KRAMER Run Date: 21-Si	EP-99	Instrument:	<del></del>	i water	addin't	
Run: R37 ANALYTIC	78646 CAL	Analyst.: Reviewer:	J KRAMER Run Date: 21-SI S ENDERSON Review Date: 22-SI	EP-99 EP-99	Instrument:	ICP	in the second	Helder Tarre	
Run: R37 ANALYTIC ICV01 ICS-A	78646 CAL 0102082	Analyst.: Reviewer:	J KRAMER Run Date: 21-SI S ENDERSON Review Date: 22-SI CALCIUM	EP-99 EP-99	Instrument:	1CP 20.6	mg/L	103	
Run: R37	78646 AL 9102082 9102083	Analyst.: Reviewer: SPEX PERKIN-	J KRAMER Run Date: 21-SI S ENDERSON Review Date: 22-SI CALCIUM CALCIUM	EP-99 EP-99	Instrument:	20.6 468.	mg/L	103	
Run: R37 ANALYTIC ICV01 ICS-A BLA02 LCS	78646 CAL Q102082 Q102083 Q102046	Analyst.: Reviewer: SPEX PERKIN-	J KRAMER Run Date: 21-SI S ENDERSON Review Date: 22-SI CALCIUM CALCIUM	EP-99 EP-99 20 500	Instrument:	20.6 468. < 0.0800	mg/L mg/L	103 93.6	
Run: R37 ANALYTIC ICY01 ICS-A BLA02 LCS SP102	78646 CAL Q102082 Q102083 Q102046 Q102046	Analyst.: Reviewer: SPEX PERKIN- NA SPEX	J KRAMER S ENDERSON CALCIUM CALCIUM CALCIUM CALCIUM	EP-99 EP-99 20 500		20.6 468. < 0.0800 96.8	mg/L mg/L mg/L mg/L	103 93.6 96.8 92 91	1.1
Run: R37 ANALYTIC ICV01 ICS-A BLAOZ	Q102082 Q102083 Q102046 Q102046 Q102046	Analyst.: Reviewer: SPEX PERKIN- NA SPEX A495534	J KRAMER S ENDERSON Review Date: 21-SI CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM	EP-99 EP-99 20 500 100 119 119.	100	20.6 468. < 0.0800 96.8 211.	mg/L mg/L mg/L mg/L mg/L	103 93.6 96.8 92	
Run: R37 ANALYTIC ICV01 ICS-A BLA02 LCS SP102 DPS02	78646 CAL 9102082 9102083 9102046 9102046 9102046	Analyst.: Reviewer: SPEX PERKIN- NA SPEX A495534 A495534	J KRAMER S ENDERSON Review Date: 21-SI CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM	EP-99 EP-99 20 500 100 119 119.	100	20.6 468. < 0.0800 96.8 211. 210.	mg/L mg/L mg/L mg/L mg/L mg/L	103 93.6 96.8 92 91	
RUN: R37 ANALYTIC ICVO1 ICS-A BLAOZ LCS SPIO2 DPSO2 CCV BLAO1	78646 CAL 9102082 9102083 9102046 9102046 9102046 9102046	Analyst.: Reviewer: SPEX PERKIN- NA SPEX A495534 A495534 INORGAN	J KRAMER S ENDERSON Review Date: 21-SI CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM CALCIUM	EP-99 EP-99 20 500 100 119 119.	100	20.6 468. < 0.0800 96.8 211. 210. 47.6	mg/L mg/L mg/L mg/L mg/L mg/L	103 93.6 96.8 92 91 95.2	
Run: R37 ANALYTIC ICV01 ICS-A BLA02 LCS SP102 DPS02 CCV	78646 CAL 9102082 9102083 9102046 9102046 9102046 9102046 9102084 9102084	Analyst.: Reviewer: SPEX PERKIN- NA SPEX A495534 A495534 INORGAN	J KRAMER RUN Date: 21-SI S ENDERSON Review Date: 22-SI CALCIUM	EP-99 EP-99 20 500 100 119 119.	100	20.6 468. < 0.0800 96.8 211. 210. 47.6	mg/L mg/L mg/L mg/L mg/L mg/L	103 93.6 96.8 92 91 95.2	
RUN: R37 ANALYTIC ICVO1 ICS-A BLA02 LCS SP102 DPS02 CCV BLA01 SAMPLE	78646 CAL Q102082 Q102083 Q102046 Q102046 Q102046 Q102084 Q102084 Q102084 A495465	Analyst.: Reviewer: SPEX PERKIN- NA SPEX A495534 A495534 INORGAN NA	J KRAMER Run Date: 21-SI S ENDERSON Review Date: 22-SI CALCIUM See Cert. of Analysis, Rep: 0	EP-99 EP-99 20 500 100 119 119. 50.0	100	20.6 468. < 0.0800 96.8 211. 210. 47.6 < 0.0800	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	103 93.6 96.8 92 91 95.2	

Run: R37 PREP	78401	Analyst.: D Reviewer: W	BUSCO WATNESS	Run Date: Review Date:	17-SEP-99 20-SEP-99	24.2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
QC Type	Lab ID	Source	Anal Run			
BLA02	Q101988	NA	R378485			
_cs	Q101989	SPEX	R378485	•		The state of the s
SPIO2	0101989	A495325	R378485			
DPS02	Q101989	A495325	R378485			
SAMPLE	A495440	Rep: 0	R378485			
SAMPLE	A495441	Rep: 0	R378485			
SAMPLE	A495442	Rep: 0	R378485			
SAMPLE	A495443	Rep: 0	R378485			action in
SAMPLE	A495444	Rep: 0	R378485			
Run: R37	78575	Analyst.: D Reviewer: L		Run Date: Review Date:		The state of the s
BLA02	0102046	NA	R378646			
LCS	Q102046	SPEX	R378646			ारा शास्त्र है हैं हैं
SP102	Q102046	A495534	R378646			
DPS02	Q102046	A495534	R378646			4. 1 A. 1
SAMPLE	A495445	Repr 0	R378646			

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

1. 1 Mar. 1975 127

ANALYTIC	78485 Cal	Analyst.: Reviewer:			nstrument:	ICP	149 84		14.7
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units 🦙	% Rec	RPD
CV01	Q102001	PERKIN	CHROMIUM	1		0.963	mg/L	96.3	
CDL01	Q102001	INORGAN	CHROMIUM	10		9.80	mg/L	98	
ICS-A	Q102001	PERKIN	CHROMIUM	0.500		0.434	mg/L	86.8	
BLA02	Q101988	NA	CHROMIUM			< 0.00400	mg/L		Ξ.
LCS	0101989	SPEX	CHRONIUN	2.00		2.00	mg/L	100	
SP102	Q101989	A495325	CHROMIUM	0	0.200	0.194	mg/L 📆	97	
DPS02	Q101989	A495325	CHROMIUM	0	0.200	0.192	mg/L	96	1
CCV	Q102002	INORGAN	CHROMIUM	5.00		4.90	mg/L	98	¥.
BLA01	Q10200Z	NA	CHRONTUM			< 0.00400	mg/L		
SAMPLE	A495440	5-1	See Cert. of Analysis, Rep: 0	· ·	<b>_</b>	برائد بإلاون تأثيب	A-1 200310	n: 1014	<b>A</b> -7
SAMPLE	A495441		See Cert. of Analysis, Rep. 0						
SAMPLE	A495442	4411(1)	See Cert. of Analysis, Rep: 0		, + :,	o and and	Test	ms2;4	§47.
SAMPLE	A495443		See Cert. of Analysis, Rep: 0					**	
SAMPLE	A495444	1.5	See Cert. of Analysis, Rep: 0	•			an spinist	S. 1957	
CCA	9102002	INORGAN	CHROMIUM	5.00		5.02	mg/L	100.4	
BLA01	Q102002	NA	CHROMIUM			< 0.00400	mg/L		 
CDL01	9102004	PERKIN	CHROMIUM	0.020		0.0182	mg/L	91	i
ICS-A	Q102004	PERKIN	CHROMIUM	0.500		0.428	mg/L	85.6	
Run: R3		Analyst.:		SEP-99 SEP-99	Instrument:	ICP	-+ ·_ + ·		
ANALYTI	CAL	Reviewer:	2 ENDERSON KEVIEW DUCE. ZE S						
ICV01	Q102082	Reviewer:	CHROMIUM REVIEW DATE: 22 G	1		0.989	mg/L	98.9	
			·	1		0.989 10.1	mg/L mg/L	98.9 101	
ICV01	9102082	PERKIN	CHROMIUM	7 (N. 1995-27869)	English Control			•••••	
ICV01 CDL01	Q102082 Q102082	PERKIN INORGAN	CHROMIUM CHROMIUM	1 }10:_ 2/57;	de Esta.	10.1	mg/L	101 86.2	
ICV01 CDL01 ICS-A	Q102082 Q102082 Q102082	PERKIN INORGAN PERKIN	CHROMIUM CHROMIUM CHROMIUM	1 }10:_ 2/57;		10.1 0.431	mg/L mg/L	101 86.2	
ICV01 CDL01 ICS-A BLA02	Q102082 Q102082 Q102082 Q102046	PERKIN INORGAN PERKIN NA	CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM	1 10 = 2 = 3 0.500 2.00	0.200	10.1 0.431 <0.00400	mg/L mg/L mg/L _====================================	101 86.2	
ICV01 CDL01 ICS-A BLA02 LCS	9102082 9102082 9102082 9102046	PERKIN INORGAN PERKIN NA SPEX	CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM	1 10 = 2 = 3 0.500 2.00	II k	10.1 0.431 <0.00400 1.92	mg/L mg/L mg/L _& mg/L	101 86.2 96	4.4
ICV01 CDL01 ICS-A BLA02 ICS SPI02 DPS02	9102082 9102082 9102082 9102046 9102046	PERKIN INORGAN PERKIN NA SPEX A495534	CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM	1 0.500 2.00 0 3	.0.200	10.1 0.431 <0.00400 1.92 0.186,	mg/L mg/L mg/L ====================================	101 86.2 96 93	4.4
ICV01 CDL01 ICS-A BLA02 ICS SPI02 DPS02	9102082 9102082 9102082 9102046 9102046 9102046	PERKIN INORGAN PERKIN NA SPEX A495534 A495534	CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM CHROMIUM	1 0.500 2.00 0 3	0.200	10.1 0.431 <0.00400 1.92 0.186, 0.184	mg/L mg/L mg/L mg/L mg/L	101 86.2 96 93	1:1
ICV01 CDL01 ICS-A BLA02 ICS SPI02 DPS02 CCV BLA01	9102082 9102082 9102082 9102046 9102046 9102046 9102046	PERKIN INORGAN PERKIN NA SPEX A495534 A495534 INORGAN	CHROMIUM	1 0.500 2.00 0 0 35100	0.200 0.200 0.200	10.1 0.431 < 0.00400 1.92 0.186, 0.184 /4;74	mg/L mg/L mg/L mg/L mg/L ", mg/L ",	101 86.2 96 93	4.4
ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV	9102082 9102082 9102082 9102046 9102046 9102046 9102084 9102084	PERKIN INORGAN PERKIN NA SPEX A495534 A495534 INORGAN	CHROMIUM	1 0.500 2.00 0 3	0.200 0.200 0.200	10.1 0.431 < 0.00400 1.92 0.186, 0.184 /4;74	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	101 86.2 96 93	4.4
ICV01 CDL01 ICS-A BLA02 UCS SPI02 DPS02 CCV BLA01 SAMPLE	9102082 9102082 9102046 9102046 9102046 9102046 9102046 9102084 9102084 A495445	PERKIN INORGAN PERKIN NA SPEX A495534 A495534 INORGAN NA	CHROMIUM See Cert. of Analysis, Rep. 0	1 0.500 2.00 0 0 5100	0.200 0.200 0.200	10.1 0.431 <.0.00400 1.92 0.186, 0.184 4.74 <.0.00400	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	101 86.2 96 93 92 94.8	
ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE CCV	9102082 9102082 9102082 9102046 9102046 9102046 9102084 9102084 9102084 9102084	PERKIN INORGAN PERKIN NA SPEX A495534 A495534 INORGAN NA	CHROMIUM See Cert. of Analysis, Rep: 0	1 0.500 2.00 0 0 5100	0.200 0.200 0.200	10.1 0.431 <.0.00400 1.92 0.186, 0.184 /4:74 <.0.00400	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	101 86.2 96 93 92 94.8	1.1

			K.,	-	Constitution Co
00) 10000000000000000000000000000000000	000000000000000000000000000000000000000	W846-6010	900000000000000000000000000000000000000	ON OF AQUEOUS SAMPLES SW846-3005A	M111.3
Run: R37 PREP		Analyst.: [	BUSCO	Run Date: 17-SEP-99 Review Date: 20-SEP-99	
QC Type	Lab ID	Source	Anal Run	プロログ (MARIO POST) (1997年 フェール・コンドランド をつかり	ATT SOUTHBUILDER
BLA02	Q101988	NA	R378485		
LCS	<b>Q101989</b>	SPEX	R378485		
SP102	9101989	A495325	R378485		
DPS02	Q101989	A495325	R378485	r in a cluber made Negues configue elicina	series de la companya
SAMPLE	A495440	Rep: 0	R378485		
SAMPLE	A495441	Rep: 0	R378485		
SAMPLE	A495442	Rep: 0	R378485		
SAMPLE	A495443	Rep: 0	. R378485	and the second section of the second section of	
SAMPLE	A495444	Rep: 0	R378485		

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  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

Run: R37 PREP	8575	Analyst.:   Reviewer:	D:BUSCO W WATNESS	Run Date: Review Date:		•		(Anti-	<u> </u>	
QC Type	Lab ID	Source	Anal Run		gent of the second				ਅਤੇ ਜ਼ਿਲ੍ਹੇ ਵਿਭਾਗਤੀ ਗ	Signal.
BLA02	0102046	NA	R378646							
LCS	Q102046	SPEX	R378646						100	24.
SPI02	Q102046	A495534	R378646							
DPS02	Q102046	A495534	R378646					(1) (1) (1) (1) (1) (2)		\$4.5°
SAMPLE	A495445	Rep: 0	R378646							
Run: R37		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: Review Date:		instrument:	ICP.	ા જિલ્લા કોં <b>લ</b> ે	ed fi	
ас Туре	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed	Units	% Rec	RPD
ICV01	9102001	PERKIN	COBALT		1		0.961	mg/L	96.1	
CDL01	Q102001	INORGAN	COBALT		10	77. NAS	9.77	mg/L	97.7	
ICS-A	Q102001	PERKIN	COBALT		0.500		0.428	mg/L	85.6	
BLA02	Q101988	NA .	COBALT	1 1/2	The state of the state of	P	< 0.00400	mg/L	rime 3.2	(1)
LCS	9101989	SPEX	COBALT		5.00		4.93	mg/L	98.6	
SPI02	Q101989	A495325	COBALT	· <del>,</del> ·········	0	0.500	0.482	mg/L ***	96.4	
DPS02	Q101989	A495325	COBALT		0	0.500	0.477	mg/L	95.4	1
CCV	Q102002	INORGAN	COBALT		5.00		4.85	mg/L	97	<b>3</b> 77
BLA01	0102002	NA.	COBALT				< 0.00400	mg/L		
SAMPLE	A495440		See Cert. of	Analysis, Rep: 0				To the second se	in n	
SAMPLE	A495441		See Cert. of	Analysis, Rep: 0					****	
SAMPLE	A495442		See Cert. of	Analysis, Rep: 0				1 - 1 - A - 1	1	in the
SAMPLE	A495443		See Cert. of	Analysis, Rep: 0	***************************************	***************************************				
SAMPLE	A495444		See Cert. of	Analysis, Rep: 0.				77	a 3.	.]
CCV	Q102002	INORGAN	COBALT	***	5.00		4.95	mg/L	99	
BLA01	Q102002	NA	COBALT	موان والوجيد الارادات	-TCN 0.0757750 13	are constant	< 0.00400	mg/L	5 3 DA	\$ 70
CDL01	Q102004	PERKIN	COBALT	471	0.100		0.102	mg/L	102	
ICS-A	9102004	PERKIN	COBALT	والمنا المائية	0.500		0.428	mg/L	£ <b>85.</b> 6	
Run: R3 ANALYTI		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date:	21-SEP-99	instrument:	ICP T	-36	241,251	
ICV01	9102082	PERKIN	COBALT		1		0.990	mg/L	99	
CDL01	9102082	INORGAN	COBALT	CANCEL SEASON	10. 73.		10.1	mg/L	101	
ICS-A	Q102082	PERKIN	COBALT		0.500		0.428	mg/L	85.6	
BLA02	Q102046	NA	COBALT				< 0.00400	mg/L		1
LCS	Q102046	SPEX	COBALT		5,00		4.73	mg/L	94.6	
SP102	Q102046	A495534	COBALT		0	0.500	0.457	mg/L	91.4	
U U.	4	ar <b>l</b> andaran arabahan arab	CODATE	***************************************		0.500	0.454	mg/L	90.8	1.7
DPS02	Q102046	A495534	COBALT		0		· · · · · · · · · · · · · · · · · · ·			
DPS02	9102046 9102084	INORGAN	COBALT		5.00	0.500	4.68	mg/L	••••	
			<u></u>			0.703		mg/L 35	<b>⊋</b> 93.6	,
DPS02 CCV	Q102084	INORGAN	COBALT COBALT	Analysis, Rep: 0			4.68	mg/L 35	••••	
DPS02 CCV BLA01	Q102084 Q102084	INORGAN	COBALT COBALT	Analysis, Rep: 0		r	4.68	mg/L 35	<b>⊋</b> 93.6	
DPS02 CCV BLA01 SAMPLE	Q102084 Q102084 A495445	I NORGAN NA	COBALT COBALT See Cert. of	Analysis, Rep: 0	5.00	-	4.68 < 0.00400	mg/L 35	93.6 96.4	
DPS02 CCV BLA01 SAMPLE CCV	Q102084 Q102084 A495445 Q102084	INORGAN NA INORGAN	COBALT COBALT See Cert. of	Analysis, Rep: 0	5.00	-	4.68 < 0.00400 4.82	mg/L 36	2 93.6	

000000000000000000000000000000000000000	kidadaba taasaasaa aasaa k	1846-601 ICP AC	*********************	ON OF AQUEOUS SAMPLES SW846-3005	M112.3
Run: R37 PREP	78401	Analyst.: Reviewer:		Run Date: 17-SEP-99 Review Date: 20-SEP-99	
<b>QC</b> Туре	Lab ID	Source	Anal Run	্ত্ৰ প্ৰত্যুক্তিক প্ৰকাশ কৰিবলৈ স্থাপ	
LCS	Q101988	SPEX	R378485		

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СТуре	Lab ID	Source	Anal Run				٠.٠٠ نوان د د د د د د د د د د د د د د د د د د د	oglama i v	, T.
102	Q101989	A495325	R378485						
S02	Q101989	A495325	R378485	<u> </u>	· . ·		477435	ារពត	
MPLE	A495440	Rep: 0	R378485						
MPLE	A495441	Rep: 0	R378485	<u>.</u>		·····	;-,	2.	( n
MPLE	A495442	Rep: 0	R378485				*** ** <b>&amp;</b>		· · · · · · · · · · · · · · · · · · ·
MPLE	A495443	Rep: 0	R378485				 	· - · · · · · · · · · · · · · · · · · ·	
AMPLE	A495444	Rep: 0	R378485			, , , , , , , , , , , , , , , , , , , ,		274 ipt	
Run: R37 PREP	· · · · · · · ·	Analyst.: [ Reviewer:	WATNESS Review Date: 21-SE				ો આ		
LA02	0102046	NA.	R378646		*		ተቀ (ቸዋኒያውን)	m tertil i s	- 1
CS	Q102046	SPEX	R378646	/			van enge		,
P102	0102046	A495534	R378646					1.04	A. 4. 5 .
PS02	Q102046	A495534	R378646			در به اللهمواني .	a said and	ar, tadi	2 ( ) ( ) ( ) ( )
AMPLE	A495445	Rep: 0	R378646				. COMME	እን <i>ተ</i> ውጭን	Mar ()
Run: R37	78485 SAL	Analyst.: Reviewer:	S ENDERSON Review Date: 20-SE	P-99	· · · · · · · · · · · · · · · · · · ·	·维蒙·斯兰·西	7 197 3ABS	\$935	3.50
C Type	Lab ID	Source	<b>!</b>	True/Sampl	Spike Val	Observed	1 1	X Rec	RP
CV01	0102001	PERKIN	COPPER			0,977		97.7	
DL01	Q102001	INORGAN	COPPER	10		9.99		99.9	
CS-A	0102001	PERKIN	COPPER	0.500		0.465	mg/L	23	1
BLA02	Q101988	NA	COPPER			0.0127	mg/L		1
CS	<b>9101989</b>	SPEX	COPPER	2,50		2,51	mg/L	100,4	
P102	Q101989	A495325	COPPER	0 (46341)/23372	_0.250	0.252	mg/L	100.8	<u> </u>
PS02	0101989	A495325	COPPER		0.250	0.249	ng/L	99.6	1.2
CV	Q102002	INORGAN	COPPER	5.00	The state of the s	4.91	mg/L	98.2	
BLA01	0102002	NA	COPPER	comelist	godin standard	< 0.00800	mg/L		63,
SAMPLE	A495440		See Cert. of Analysis, Rep: 0	N. 14 1 3	P 12 88 3	5 <b>4</b>	i ju		2
SAMPLE	A495441		See Cert. of Analysis, Rep. 0	77 /448457	27	K.S.A.F	- artifetaring t	To make	
SAMPLE	A495442	*		1/14	14.		ا مر الألب ا	· y(.	]
SAMPLE SAMPLE	A495443		See Cert. of Analysis, Rep: 0 See Cert. of Analysis, Rep: 0			. 5.			
CCV	Q102002	INORGAN	COPPER	5.00		5.09	mg/L	101.8	
BLAO1	Q102002	NA	COPPER		1	< 0.00800	mg/L	141.40	
DL01	Q102002	PERKIN	COPPER	0.050	and the second	0.0509	mg/L	101.8	
ICS-A	Q102004	PERKIN	COPPER	0.500		0.472	mg/L	94.4	
Run: R3	78646	Analyst.:	J KRAMER Run Date: 21-Si	EP-99	Instrument:		_ IIIg/ L	177.4	<del></del>
ANALYTI		-r	S ENDERSON Review Date: 22-S	EP-99		1			adama
I CV01	9102082	PERKIN	COPPER	10		0.990	mg/L	99	
DL01	Q102082	INORGAN	COPPER	10		10.2	mg/L	102	1
ICS-A	0102082	PERKIN	COPPER	0.500		0.468	mg/L	93.6	+
BLAO2 LCS	Q102046 Q102046	NA SPEX	COPPER COPPER	2.50	<u> </u>	< 0.00800 2,49	mg/L	99.6	
SPI02	9102046	A495534	COPPER CASE	0	0.250	0.264	mg/L mg/L 728€	******	Ť
97102 97802	Q102046	A495534	COPPER	0	0.250	0.260	mg/L	104	1.
CCV	Q102084	INORGAN	COPPER	5.00		4.87		97.4	
LAO1	D102084	NA NA	COPPER			< 0.00800	mg/L		
SAMPLE	A495445		See Cert. of Analysis, Rep: 0	ir Witt	· * • • • • • • • • • • • • • • • • • •	an estimate		ici-rim.	9 34:
CV	9102084	INORGAN	COPPER	5.00	† * **********************************	4.91	mg/L	98.2	7.
BLA01	Q102084	NA	COPPER		3.4	< 0.00800	mg/L 范蠡	************	1
CDL01	9102085	PERKIN	COPPER	0.050		0.0546	mg/L	109.2	\$ 1000
35.5 <b>7</b> \$1000.0		· • • · · · · · · · · · · · · · · · · ·							****
ICS-A	Q102085	PERKIN	COPPER	0.500	1	0.470	mg/L	94	

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	FAM UK	LICP ACI	D DIGESTIO	ON OF AQUEOUS !	SAMPLES SW8	46-3005A				
Run: R37		Analyst.:	D BUSCO	Run Date: 1	7-SEP-99					
PREP	Lab ID	Source	Anal Run	Review Date: 2	0-2EP-39					
LA02	Q101988	NA NA	R378485							
.CS	Q101989	SPEX	R378485					•		
.cs P102	9101989	A495325	R378485							
PS02	Q101989	A495325	R378485						······································	
SAMPLE	A495440	Rep: 0	R378485							
SAMPLE	A495441	Rep: 0	R378485				.,	•	u Svad	
SAMPLE	A495442	Rept 0	R378485				-		4.	
SAMPLE	A495443	Rep: 0	R378485							***********
SAMPLE	A495444	Rep: 0	R378485							
Run: R37		Analyst.:	D BUSCO	Run Date: 2	1-SEP-99		::i=•	Signal Control	29/03t	4
PREP BLA02	Q102046	Reviewer:	W WATNESS	Review Date: 2	1-SEP-99			117	paking a	
LCS	Q102046	SPEX	R378646						***************************************	
SPIOZ	Q102046	A495534	R378646							
DPS02	Q102046	A495534	R378646							
SAMPLE	A495445	Rep: 0	R378646							
Run: R37		Analyst.:	J KRAMER	Run Date: 1		Instrument:	ICP	91. A	araa iig	**********
ANALYTIC	<del></del>	Т	S ENDERSON	Review Date: 2	, ,	Spike Val	Observed	Units	% Rec	RPE
QC Type ICV01	Lab ID Q102001	Source	Parameter	and the same w		igapike vat	0.970		97	KPI
``````````		•	IRON		1		9.79	mg/L		
CDL01	Q102001	INORGAN	IRON 🧳	The contract matter	10	NOT 15	L	mg/L	97.9	
tcs-A	Q102002	PERKIN-	IRON	in the	200		170.	mg/L	85	
BLA02	Q101988 Q101989	NA ODEY	IRON (		नम् १५ स्टब्स् इस् १५ स्टब्स्	See ald	,< 0.0100 9.68	mg/L		
LCS	Q101989	SPEX	IRON 1	والمنافظ فيساني و	10.0	7 74 00		mg/L	96.8	
SPI02	9101989	A495325				1.00-	1.71	mg/L	93.5	
DPS02	Q102002	A495325	IRON	A Company of the state of the s	0.775	1.00	1,69	mg/L	91.5 95.2	2.2
CCV BLA01	9102002	INORGAN			5.00	129-1-1400	4.76 < 0.0100	mg/L	yp.2	
SAMPLE	A495440	NA	IRON	Analysis Bass 0			× 0.0100	mg/L	****	
SAMPLE SAMPLE	A495441	÷ (************************************		Analysis, Rep: 0						
SAMPLE	A495442			Analysis, Rep: 0						
SAMPLE	A495443			Analysis, Rep: 0						
SAMPLE	A495444			Analysis, Rep: 0 Analysis, Rep: 0						
CCV	0102002	INORGAN	IRON	midlysis, Kep: U	5.00		4.90			
BLA01	9102002	NA NA	IRON		3.00		< 0.0100	mg/L mg/L	98	
ICS-A	0102004	PERKIN-	IRON		200		167.	mg/L	83.5	
Run: R3	78646	Analyst.:	J KRAMER	Run Date:	21-SEP-99	Instrument:				I
ANALYTI 16V01	Q102082	PERKIN	S ENDERSON IRON	Review Date:	22-SEP-99		0.992	mg/L	99.2	
CDL01	Q102082	INORGAN	IRON		10		10.0	mg/L	100	
ICS-A	<b>□102083</b>	PERKIN-	IRON		200		170.	mg/L	85	
BLA02	Q102046	NA	T- I DON	Salding room of the con-	inst in wine	J	< 0.0100		ne at of	
LCS	9102046	SPEX	IRON	rpt - 2	10.0		9.47	mg/L	94.7	
SPI02	Q102046	A495534	IRON	No. 19 12	0.165	1.00	1.10		ec 93.5	
DPS02	Q102046	A495534	IRON		0,165	1.00	1.09	mg/L	92.5	1.1
CCV	Q102084	INORGAN	IRON		5.00		4.68	mg/L	93.6	T.
BLA01	Q102084	NA	IRON				< 0.0100	mg/L		
SAMPLE	A495445	المساوية والمارات	••••	f Analysis, Rep: 0 '			* * *****	· · · · · · · · · · · · · · · · · · ·	gr   3" =	
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QC Type	Lab ID		Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
BLA01	Q102084	NA					mg/L		
ICS-A	Q102085	PERKIN-	IRON	200		172.	(1	86	

Run: R37 PREP	8401	Analyst.: D Reviewer: W		Run Date: 1 Review Date: 2					11 2 A 1 2 A 1	•
C Type	Lab ID	Source	Anal Run							
AMPLE	A495440	Rep: 0	R378572							
AMPLE	A495441	Rep: 0	R378572					1.6	albert (U.).	-
AMPLE	A495442	Rep: 0	R378572							
AMPLE	A495443	Rep: 0	R378572					.3	METER!	
AMPLE	A495444	Rep: 0	R378572						-de-5	
LA02	Q101989	NA	R378572			••••••••		· :Ş	J=9.1X5	
CS	Q101989	INORGAN	R378572							::::::::::::::::::::::::::::::::::::::
P102	Q101989	A495325	R378572							
PS02	Q101989	A495325	R378572							
Run: R37 PREP	8575	Analyst.: [ Reviewer: N		Run Date: 2 Review Date: 2					gen in the	
AMPLE	A495445	Rep: 0	R378707							
LA02	Q102046	NA NA	R378707		- 4			•	,	
CS	0102046	INORGAN	R378707	্ৰাণ কৰ্মকাৰ্ট	FEER-453. 179. 3 T 3 T 43	dent i la em.				
P102	Q102046	A495534	R378707	1 4	,	***				aniina.
PS02	0102046	A495534	R378707			:	\$ *. * <u>.</u>		***************************************	
Run: R37	8572	Analyst.:   Reviewer:	G MAPP	Run Date: 2 Review Date: 2	0-SEP-99 1-SEP-99	Instrument:	TRACE ICP			•
С Туре	Lab ID	Source	Parameter	, od :	<del></del>	Spike Val	Observed	Units	% Rec	RPD
CV01	<b>Q102036</b>	PERKIN-	LEAD	√ [18] -1	0.05		0.0495	mg/L	99	
DLO1	Q102036	INORGAN	LEAD		0.5		0.517	mg/L	103.4	1
CS-A	0102036	PERKIN	LEAD		0.05		0.0437	mg/L	87.4	1
CV	9102036	INORGAN	LEAD		0.1		0.100	mg/L	100	1
LA01	Q102037	NA	LEAD				< 0.00200	mg/L		
LA02	Q101989	NA	LEAD				< 0.00200	mg/L	****	
CS	Q101989	INORGAN	LEAD		0.5		0.555	mg/L	111	
SP102	9101989	A495325	LEAD		0	0.5	0.488	mg/L	97.6	******
PS02	Q101989	A495325	LEAD		0	0.5	0.474	mg/L	94.8	2.9
SAMPLE	A495440	A		Analysis, Rep: 0						1
AMPLE	A495441			Analysis, Rep. 0						4
AMPLE	A495442			Analysis, Rep: 0					~	*******
AMPLE	A495443		1	Analysis, Rep: 0						
CV	Q102037	INORGAN	LEAD	midt/3/3, http://	0.1		0.0974	mg/L	97.4	
SLAO1	0102037	NA NA	LEAD		•••		< 0.00200	mg/L	.: /!.:T_	
SAMPLE	A495444			Analysis, Rep: 0						1
CV	Q102037	INORGAN	LEAD.	miacysis, kep. o	0.1		0.0952	mg/L	95.2	
LA01	Q102037	NA	LEAD				< 0.00200	mg/L	ស៊ី ទី២៧	
DLO1	0102038	PERKIN-	LEAD		0.006		0.00547	mg/L	91.2	
CS-A	Q102038	PERKIN	LEAD		0.05		0.0421		84.2	1
Run: R3	78707	Analyst.:		Run Date: 2	22-SEP-99	Instrument:		ney c		<u> </u>
CV01	Q102133	PERKIN-	LEAD	NEVICE DELE:	0.05		0.0512	mg/L	102.4	
CDL01	Q102134	INORGAN	LEAD		0.5		0.500		102.4	4
LULUI	4102134	INUKUAN	LEAD		1	1	I	mg/L	100	
CS-A	Q102134	PERKIN	LEAD		0.05		0.0440	mg/l.	88	

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  - b. of negligent acts, errors or emissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

QC Туре	Lab ID	Source	Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
CCV	0102134	INORGAN	LEAD	0.1		0.103	mg/L	103	
BLA01	Q102134	NA	LEAD			< 0.00200	mg/L		
BLA02	Q102046	NA	LEAD			< 0.00200	mg/L		
LCS	Q102046	INORGAN	LEAD	0.5		0.503	mg/L	100.6	
SPI02	Q102046	A495534	LEAD	0	0.5	0.506	mg/L	101.2	
DPS02	Q102046	A495534	LEAD	0	0.5	0.49	mg/L	98	3.2
SAMPLE	A495445		See Cert. of Analysis, Rep: 0						
CCV	9102134	INORGAN	LEAD	0.1		0.103	mg/L	103	
BLA01	Q102134	NA	LEAD			< 0.00200	mg/L		
CDL01	Q102135	PERKIN-	LEAD	0.006		0.00693	mg/L	115.5	
ICS-A	Q102135	PERKIN	LEAD	0.05		0.0433	mg/L	86.6	<b>!</b>

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Run: R37 PREP	78401	Analyst.:   Reviewer:		Run Date: Review Date:					x	
ос Туре	Lab ID	Source	Anal Run						, •	
BLA02	Q101988	NA	R378485							
LCS	Q101989	SPEX	R378485	•						
SP102	<b>¤101989</b>	A495325	R378485							· · · · · · · · · · · · · · · · · · ·
PS02	Q101989	A495325	R378485		n kanana. Tankara	المستنسبة المستشعف				
SAMPLE	A495440	Rep: 0	R378485				• · · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
SAMPLE	A495441	Rep: 0	R378485		•					•
SAMPLE	A495442	Rep: 0	R378485							
SAMPLE	A495443	Rep: 0	R378485			. •				
SAMPLE	A495444	Rep: 0	R378485							
Run: R37	78575	Analyst.: Reviewer:		Run Date: Review Date:	21-SEP-99 21-SEP-99		<u>.</u>	4.		
BLA02	9102046	NA	R378646							
LCS	Q102046	SPEX	R378646							•••••
SP102	Q102046	A495534	R378646							
DPS02	Q102046	A495534	R378646							
SAMPLE	A495445									
	N+72+42	Rep: 0	R378646							
Run: R3	78485	Analyst.:		Run Date./.: Review Date:		instrument:	ICP			
ANALYTI	78485	Analyst.:	J KRAMER			Instrument:	ICP Observed	Units	% Rec	RPD
ANALYTI	78485 CAL	Analyst.: Reviewer:	J KRAMER S ENDERSON		20-SEP-99		1	Units	% Rec 101.5	RPD
ANALYTI QC Type ICV01	78485 CAL Lab ID	Analyst.: Reviewer: Source	J KRAMER S ENDERSON Parameter		20-SEP-99 True/Sampl		Observed			RPD
	78485 CAL Lab ID	Analyst.: Reviewer: Source	J KRAMER S ENDERSON Parameter MAGNESIUM		20-SEP-99 True/Sampl 20		Observed 20.3	mg/L	101.5	RPD
ANALYTI QC Type ICV01 ICS-A BLA02	78485 CAL Lab ID 9102001 9102002	Analyst.: Reviewer: Source SPEX PERKIN-	J KRAMER S ENDERSON Parameter MAGNESIUM MAGNESIUM		20-SEP-99 True/Sampl 20		Observed 20.3 493.	mg/L mg/L	101.5	RPD
ANALYTIO QC Type ICV01 ICS-A BLA02 LCS	78485 CAL Lab ID Q102001 Q102002 Q101988	Analyst.: Reviewer: Source SPEX PERKIN- NA	J KRAMER S ENDERSON Parameter MAGNESIUM MAGNESIUM		20-SEP-99 True/Sampl 20 500		Observed 20.3 493. < 0.0800	mg/L mg/L mg/L	101.5 98.6	RPD
ANALYTIC QC Type ICV01 ICS-A BLA02 LCS SP102	78485 CAL Lab ID 9102001 9102002 9101988 9101989	Analyst.: Reviewer: Source SPEX PERKIN- NA SPEX	J KRAMER S ENDERSON  Parameter  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM		20-SEP-99 True/Sampl 20 500	Spike Val	Observed 20.3 493. < 0.0800	mg/L mg/L mg/L mg/L	101.5 98.6 103	RPD
ANALYTIC QC Type ICV01 ICS-A BLA02 LCS SP102 DPS02	78485 CAL Lab ID 9102001 9102002 9101988 9101989 9101989	Analyst.: Reviewer: Source SPEX PERKIN- NA SPEX A495325	J KRAMER S ENDERSON  Parameter  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM		20-SEP-99    True/Sampl   20   500   100   38.7	Spike Val	Observed 20.3 493. < 0.0800 103.	mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3	RPD
ANALYTICON	78485 CAL Lab ID 9102001 9102002 9101988 9101989 9101989	Analyst.: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325	J KRAMER S ENDERSON  Parameter  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM		20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141.	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3	RPD
ANALYTIC QC Type ICV01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01	78485 CAL	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON Parameter MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM		20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3	RPD
ANALYTIC QC Type ICV01 ICS-A BLA02 LCS SP102 DPS02 CCV BLA01 SAMPLE	78485 CAL	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON  Parameter  MAGNESIUM  See: CBrt. of	Review Date:	20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3	RPD
ANALYTII QC Type ICV01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE	78485 CAL	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON  Parameter  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  MAGNESIUM  See Cert. of A	Review Date:	20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3 99.8	RPD
ANALYTICON TYPE ICV01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE	78485 CAL Lab ID 9102001 9102002 9101988 9101989 9101989 9102002 9102002 A495440 A495441	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON  Parameter MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM See Cert. of See Cert. of	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3 99.8	RPD
ANALYTICON	78485 CAL Lab ID Q102001 Q102002 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495442	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON  Parameter MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM See Cert. of A See Cert. of A See Cert. of A	Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3 99.8	RPD
ANALYTICOLOR ANALY	78485 CAL Lab ID Q102001 Q102002 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495443	Analyst:: Reviewer: Source SPEX PERKIN- NA SPEX A495325 A495325 INORGAN	J KRAMER S ENDERSON  Parameter MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM See Cert. of A See Cert. of A See Cert. of A	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99    True/Sampl   20   500   100   38.7   38.7	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3 99.8	RP0
ANALYTI  QC Type  ICV01  ICS-A	78485 CAL Lab ID Q102001 Q102002 Q101988 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495443 A495444	Analyst.: Reviewer: Source SPEX PERKIN- NA SPEX A495325 INORGAN NA	J KRAMER S ENDERSON  Parameter MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM MAGNESIUM See Cert. of A See Cert. of A See Cert. of A	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99    True/Sampl   20   500   100   38.7   38.7   50:0	Spike Val	Observed 20.3 493. < 0.0800 103. 141. 139. 49.9 < 0.0800	mg/L mg/L mg/L mg/L mg/L mg/L	101.5 98.6 103 102.3 100.3 99.8	2 2

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Run: R37		Analyst.: Reviewer:			Instrument:	ICP			
QC Type	Lab ID	Source	Parameter "	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
ICV01	Q102082	SPEX	MAGNESIUM	20		20.6	mg/L	103	
ICS-A	Q102083	PERKIN-	MAGNESIUM	500		491.	mg/L	98.2	
BLA02	Q102046	NA	MAGNESIUM			< 0.0800	mg/L		
LCS	Q102046	SPEX	MAGNESIUM	100		101.	mg/L	101	
SPI02	Q102046	A495534	MAGNESIUM	61.2	100	162.	mg/L	100.8	
DPS02	Q102046	A495534	MAGNESIUM	61.2	100	160.	mg/L	98.8	2
CCV	Q102084	INORGAN	MAGNESIUM	50.0		49.0	mg/L	98	
BLA01	Q102084	NA	MAGNESIUM			< 0.0800	mg/L		1
SAMPLE	A495445	1	See Cert. of Analysis, Rep: 0						
CCV	Q102084	INORGAN	MAGNESIUM	50.0		49.8	mg/L	99.6	
BLA01	Q102084	NA	MAGNESIUM			< 0.0800	mg/L		
ICS-A	Q102085	PERKIN-	MAGNESIUM	500		501.	mg/L	100.2	,71

9995454 J. J. 1999	donoliiseluureliiliide valtaadaa	SW846-6 ICP ACI		ON OF AQUEOUS SAM	PLES SW8	46-3005A	10014-101010101010101000000000000000000	M119.3		
Run: R37 PREP	78401	Analyst.: [ Reviewer: N		Run Date: 17-SE Review Date: 20-SE		,				
C Type BLA02 LCS SP102	Lab ID Q101988 Q101989 Q101989	Source NA SPEX A495325	Anat Run R378485 R378485 R378485	n ngili an tamaye Kali	Postskie	ur Sh.				-
DPSO2 SAMPLE SAMPLE	Q101989 A495440 A495441	A495325 Rep: 0 Rep: 0	R378485 R378485 R378485		Frige.					
SAMPLE SAMPLE	A495442 A495443 A495444	Rep: 0 Rep: 0	R378485 R378485	วายสายเมื่อการเพียดเลื่อง		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 613-49 - 1949	_	- 12 · · · · · · · · · · · · · · · · · ·	
Run: R37 PREP		Rep: 0 Analyst.:		Run Date: 21-SE Review Date: 21-SE			; <del>-</del>	<u></u>		
BLA02 LCS SPI02	Q102046 Q102046	NA SPEX	R378646 R378646							
DPS02	Q102046 Q102046 A495445	A495534 A495534 Rep: 0	R378646 R378646 R378646							
DPS02 SAMPLE Run: R37	Q102046 A495445 78485	A495534 Rep: 0 Analyst.:	R378646 R378646 J KRAMER	Run Date: 17-SE Review Date: 20-SE		nstrument:	ICP		-	
DPS02 SAMPLE Run: R37 ANALYTIC QC Type	Q102046 A495445 78485 CAL Lab ID Q102001	A495534 Rep: 0	R378646 R378646 J KRAMER	Run Date: 17-SE Review Date: 20-SE		Instrument:	ICP Observed 0,973	Units mg/L	% Rec 97.3	RPC
DPS02 SAMPLE  Run: R37 ANALYTIC QC Type ICV01 CDL01 ICS-A	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN	R378646 R378646 J KRAMER S ENDERSON Parameter MANGANESE MANGANESE MANGANESE		P-99 True/Sampl		0bserved 0,973 9,79 0,439	mg/L mg/L mg/L	97.3 97.9 87.8	RPI
DPS02 SAMPLE Run: R37 ANALYTIC QC Type 1CV01 CDL01 ICS-A BLA02 LCS SP102	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter MANGANESE MANGANESE MANGANESE MANGANESE MANGANESE MANGANESE MANGANESE		P-99 True/Sampl 1 10 0.500 5,00 0.118	Spike Val	0bserved 0.973 9.79 0.439 < 0.00400 4.95 0.600	mg/L mg/L mg/L mg/L mg/L mg/L	97.3 97.9 87.8 99	RPI
DPS02 SAMPLE Run: R37 ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q1010988 Q101989	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX	R378646 R378646 J KRAMER S ENDERSON Parameter MANGANESE MANGANESE MANGANESE MANGANESE MANGANESE MANGANESE		P-99 True/Sampl 1 10 0.500	Spike Val	0bserved 0,973 9,79 0,439 < 0.00400 4,95	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.3 97.9 87.8	7
DPS02 SAMPLE Run: R37	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q102002	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 J KRAMER S ENDERSON Parameter MANGANESE MASSE MANGANESE MASSE MANGANESE MASSE MANGANESE MANGANESE See Cert. of		P-99 True/Sampl 1 10 0.500 5,00 0.118 0.118	Spike Val	0bserved 0.973 9.79 0.439 < 0.00400 4.95 0.600 0.595 4.88	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.3 97.9 87.8 99 95.4 95.4 97.6	RPC

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
CCV	Q102002	INORGAN	MANGANESE	5.00		5.00	mg/L	100 -	}
BLA01	Q102002	NA	MANGANESE			< 0.00400	mg/L		
CDL01	Q102004	PERKIN	MANGANESE	0.030		0.0294	mg/L	98	
ICS-A	<b>9102004</b>	PERKIN	MANGANESE	0.500		0.436	mg/L	87.2	
Run: R37		Analyst.: Reviewer:	J KRAMER Run Date: 21-SE S ENDERSON Review Date: 22-SE		instrument:	ICP		******	
ICV01	Q102082	PERKIN	MANGANESE			0.997	mg/L	99.7	
CDL01	Q102082	INORGAN	MANGANESE	10		10.1	mg/L	.101	-
ICS-A	Q102082	PERKIN	MANGANESE	0.500		0.439	mg/L	87.8	
BLA02	Q102046	NA	MANGANESE		Ì	< 0.00400	mg/L 5	S4 : 1	
LCS	Q102046	SPEX	MANGANESE	5.00		4.79	mg/L	95.8	
SPI02	9102046	A495534	MANGANESE	0	0.500	0.469	mg/L	93.8	l
DPS02	Q102046	A495534	MANGANESE	0	0.500	0.465	mg/L	93	.9
CCV	Q102084	INORGAN	MANGANESE	5.00	, .	4.73	mg/L ∰	94.6	
BLA01	Q102084	NA	MANGANESE			< 0.00400	mg/L		
SAMPLE	A495445		See Cert. of Analysis, Rep: 0		Í		5,7. 7,7	12 15 ·	1
CCV	Q102084	INORGAN	MANGANESE	5.00		4.85	mg/L	97	
BLA01	9102084	NA	MANGANESE			< 0.00400	mg/L	. , с	
CDL01	Q102085	PERKIN	MANGANESE	0.030		0.0306	mg/L	102	
ICS-A	Q102085	PERKIN	MANGANESE	0.500		0.442	mg/L	88.4	

Prep:	MERCUR		CID DIGEO							
Run: R3	78584	Analyst.: Reviewer:		Run Date: 20-S Review Date: 22-S		and the same				
<b>QC</b> Туре	Lab ID	Source	Anal Run	in Market	7744	did i	S.J.		in the same and account of the same of the	
LCS	Q102043		R378672							***********
BLA02	Q102043		R378672							•••••
SP102	Q102043	A495443	R378672	. a ' e sa i i i i i i i i i i i i i i i i i i	way the state of t				***************************************	
DPS02	Q102043	A495443	R378672			المنطقة أول المالكة	***************************************		*****************	
SAMPLE	A495440	Rep: 0	R378672							
SAMPLE	A495441	Rep: 0	R378672							
SAMPLE	A495442	Rep: 0	R378672							
SAMPLE	A495443	Rep: 0	R378672							
SAMPLE	A495444	Rep: 0	R378672						••••••	•••••
			K31001C						••••••••••	
SAMPLE	A495445	Rep: 0	R378672		•			· 23	j	
SAMPLE Run: R3 ANALYTI	A495445 78672		R378672	Run Date: 21-5 Review Date: 22-5		instrument:	CVAA	+ ±2		
	A495445 78672	Rep: 0 Analyst.:	R378672			Instrument:	CVAA Observed	Units		RPD
Run: R3 ANALYTI QC Type	A495445 78672 CAL	Rep: 0 Analyst.: Reviewer:	R378672 R DALAL D CZERNY		EP-99		· · · · · · · · · · · · · · · · · · ·			RPD
Run: R3 ANALYTI QC Type ICV01	78672 CAL Lab ID	Rep: 0 Analyst.: Reviewer:	R378672  R DALAL D CZERNY  Parameter		True/Sampl		Observed	Units	% Rec	RPD
Run: R3 ANALYTI	A495445 78672 CAL Lab ID Q102105	Rep: 0 Analyst.: Reviewer:	R378672  R DALAL D CZERNY  Parameter MERCURY		True/Sampl		Observed 0.00187	Units mg/L	% Rec 93.5	RPD
Run: R3 ANALYTI QC Type ICV01 CDL01	A495445 78672 CAL Lab ID Q102105 Q102106	Rep: 0 Analyst.: Reviewer:	R378672  R DALAL D CZERNY  Parameter MERCURY  MERCURY		True/Sampl 0.002 0.0002		Observed 0.00187 0.00021	Units mg/L mg/L	% Rec 93.5	RPD
Run: R3 ANALYTI QC Type ICVQ1 CDL01 CCV BLA01	A495445 78672 CAL Lab ID Q102105 Q102106 Q102106	Rep: 0 Analyst.: Reviewer:	R378672  R DALAL D CZERNY  Parameter MERCURY  MERCURY  MERCURY		True/Sampl 0.002 0.0002		Observed 0.00187 0.00021 0.00295	Units mg/L mg/L mg/L	% Rec 93.5	RPD
Run: R3 ANALYTI QC Type ICV01 CDL01 CCV BLA01 LCS	A495445  78672 CAL  Lab ID  Q102105  Q102106  Q102106  Q102106	Rep: 0 Analyst.: Reviewer:	R378672  R DALAL D CZERNY  Parameter MERCURY  MERCURY  MERCURY  MERCURY		True/Sampl 0.002 0.003		Observed 0.00187 0.00021 0.00295 < 0.00008	Units mg/L mg/L mg/L mg/L	X Rec 93.5 105 98.3	RPD
Run: R3 ANALYTI QC Type ICV01 CDL01 CCV BLA01 LCS BLA02	A495445  78672 CAL  Lab ID  Q102105  Q102106  Q102106  Q102106  Q102043	Rep: 0 Analyst.: Reviewer: Source	R378672  R DALAL D CZERNY  Parameter MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY		True/Sampl 0.002 0.003	Spike Val	Observed 0.00187 0.00021 0.00295 < 0.00008 0.00174	Units mg/L mg/L mg/L mg/L mg/L	% Rec 93.5 105 98.3	RPD
Run: R3 ANALYTI PC Type ICV01 CDL01 CCV BLA01 LCS BLA02 SAMPLE	A495445  78672 CAL  Lab ID  9102105  9102106  9102106  9102106  9102043  -9102043	Rep: 0 Analyst.: Reviewer: Source	R378672  R DALAL D CZERNY  Parameter MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY	Review Date: 22-S	True/Sampl 0.002 0.003	Spike Val	Observed 0.00187 0.00021 0.00295 < 0.00008 0.00174	Units mg/L mg/L mg/L mg/L mg/L	X Rec 93.5 105 98.3	RPD
Run: R3 ANALYTI QC Type ICV01 CDL01 CCV BLA01 LCS BLA02 SAMPLE SPI02	A495445  78672 CAL  Lab ID  9102105  9102106  9102106  9102106  9102043  -9102043  A495443	Rep: 0 Analyst.: Reviewer: Source	R378672  R DALAL D CZERNY  Parameter MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY MERCURY See Cert. of	Review Date: 22-S	EP-99 True/Sampl 0.002 0.0002 0.0003	Spike Val	Observed 0.00187 0.00021 0.00295 < 0.00008 0.00174 < 0.00008	Units mg/L mg/L mg/L mg/L mg/L	X Rec 93.5 105 98.3 87	RPD
Run: R3 ANALYTI RC Type ICV01 CDL01 CCV BLA01 LCS BLA02 SAMPLE SPI02 CCV	A495445  78672 CAL  Lab ID  Q102105  Q102106  Q102106  Q102043  _Q102043  A495443  Q102043	Rep: 0 Analyst.: Reviewer: Source	R378672  R DALAL D CZERNY  Parameter MERCURY	Review Date: 22-S	EP-99 True/Sampl 0.002 0.0002 0.003	Spike Val	Observed 0.00187 0.00021 0.00295 < 0.00008 0.00174 < 0.00008	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	X Rec 93.5 105 98.3 87 20 3 91	
Run: R3 ANALYTI QC Type ICV01 CDL01	A495445  78672 CAL  Lab ID  Q102105  Q102106  Q102106  Q102043  Q102043  A495443  Q102043  Q102043	Rep: 0 Analyst.: Reviewer: Source	R378672  R DALAL D CZERNY  Parameter MERCURY	Review Date: 22-S	EP-99 True/Sampl 0.002 0.0002 0.003	Spike Val	Observed 0.00187 0.00021 0.00295 < 0.00008 0.00174 < 0.00008 0.00091 0.0028	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	X Rec   93.5   105   98.3   87	

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- 7. <u>Sample Analysis</u>- Heritage uses analytical methods which conform with the U.S. EPA, State Agency, American Society for Testing & Materiais. Association of Official Analytical Chemists, Standard Methods for the Examination of Water and Wastewater or other recognized methodologies. Records of Heritage Laboratory procedures, including the Heritage Quality Assurance Program Plan, may be inspected by Clients.
- 8. <u>Sample Reports</u>- Heritage shall provide a written report of the results of its services which will include test results, detection limits, dates of analysis, the analyst, and analytical method references. Additional documentation and special reports are available for additional fees, but must be arranged prior to sample delivery.
- 9. <u>Confidentiality</u>- Heritage shall not disclose results or any other information provided by the Client to any third party, except where required by law. Heritage shall have no obligation to oppose any legal proceeding taken to obtain laboratory test results of confidential information.
- 10. Additional or Different Tasks- If additional analytical testing is necessary due to sample matrix interferences, multi-phase samples or any factor not disclosed to Heritage prior to its acceptance of the sample, the Client will be notified of the additional cost and will be given the opportunity to agree to the additional work or return of the sample.
- 11. <u>Cancellation</u>—If the Client cancels its order after the sample has been prepped and analyzed, the full fee in Heritage's quotation will apply. A \$25 cancellation fee will apply if a sample is delivered and accepted at the laboratory.
- 12. <u>Indemnification</u>- Client agrees to indemnify and hold harmless Heritage from all loss, damage, cost and expenses, including attorney fees from any suit, claim or action against Heritage or which names Heritage as a party because:
  - a. Heritage performed analysis or work for the Client.

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- b. of negligent acts, errors or omissions of the Client: or
- c. of Client's failure to perform its obligations under this Agreement.

Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

QC Type	Lab ID	 Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
SAMPLE	A495441	See Cert. of Analysis, Rep: 0						
SAMPLE	A495442	See Cert. of Analysis, Rep: 0						
SAMPLE	A495444	 See Cert. of Analysis, Rep: 0						· · · · · · · · · · · · · · · · · · ·
SAMPLE	A495445	See Cert. of Analysis, Rep: 0						
CCV	<b>Q102106</b>	MERCURY	0.003		0.0028	mg/L	93.3	
BLA01	Q102106	MERCURY			< 0.00008	mg/L		• • • • • • • • • • • • • • • • • • • •
CDL01	9102106	 MERCURY	0.0002		0,00019	mg/L	95	

rrep.	FAA UK	ICP ACI	D DIGESTIO	N OF AQUEOUS	SAMPLES SWE	140-3UUDA		2:		. <u> </u>
Run: R3	78401	Analyst.:		Run Date: Review Date:				. James		44.
C Type	Lab ID	Source	Anal Run				٠. :	1 -1 (17)	85 (Cate	1,5
BLA02	Q101988	NA	R378485							
LCS	Q101989	SPEX	R378485					3,77	. ئاڭسىلىنىن	
SPI02	0101989	A495325	R378485							
DPS02	Q101989	A495325	R378485							
SAMPLE	A495440	Rep: 0	R378485			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
SAMPLE	A495441	Rep: 0	R378485		•					
SAMPLE	A495442	Rep: 0	R378581							
SAMPLE	A495443	Rep: 0	R378485	- De Sanderman de California	ครัสสาขางเป็น การการการการการ	er killerinen.			••••	
SAMPLE	A495444	Rep: 0	R378485	74.5		770				
Run: R378575 PREP		Analyst.: Reviewer:		Run Date: Review Date:	21-SEP-99 21-SEP-99	13.5		↓ ` <b>.</b> 4 · · ·		
BLA02	Q102046	NA	R378646							
LCS	9102046	SPEX	R378646	A TO A TO THE	e y resear	e				
SP102	Q102046	A495534	R378646							
DPS02	Q102046	A495534	R378646	ระวาท และแล้ว เพื่อเ <mark>พิ่</mark> น	in the state of the	المنطقة المراجعة	. 774			**********
SAMPLE	A495445									
W/11	M4Y2442	Rep: 0	R378646	1 1111111111111111111111111111111111111						
Run: R3 ANALYTI	78485	Analyst.:		Run Date: Review Date:		Instrument:	ICP			
Run: R3 ANALYTI	78485	Analyst.:	J KRAMER			The state of the s	ICP Observed	Units	% Rec	RPI
Run: R3	78485 CAL	Analyst.: Reviewer:	J KRAMER S ENDERSON		20-SEP-99	The state of the s	1	Units	% Rec 97.2	RPI
Run: R3 ANALYTI QC Type ICV01	78485 CAL Lab ID	Analyst.: Reviewer: Source	J KRAMER S ENDERSON Parameter		20-SEP-99 True/Sampl	The state of the s	0bserved	<b></b>		RPI
Run: R3 ANALYTI QC Type ICV01 CDL01	78485 CAL Lab ID Q102001	Analyst.: Reviewer: Source PERKIN	J KRAMER S ENDERSON Parameter NICKEL		20-SEP-99 True/Sampl	The state of the s	Observed 0.972	mg/L	97.2	RPC
Run: R3 ANALYTI QC Type ICV01 CDL01	78485 CAL Lab ID Q102001 Q102001	Analyst.: Reviewer: Source PERKIN INORGAN	J KRAMER S ENDERSON Parameter NICKEL		ZO-SEP-99 True/Sampl 10	The state of the s	0bserved 0.972 9.76	mg/L mg/L	97.2 97.6	RPI
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02	78485 CAL Lab ID Q102001 Q102001 Q102001	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN	J KRAMER S ENDERSON Parameter NICKEL NICKEL		ZO-SEP-99 True/Sampl 10	The state of the s	0bserved 0.972 9.76 0.847	mg/L mg/L mg/L	97.2 97.6	RPI
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS	78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN	J KRAMER S ENDERSON  Parameter  NICKEL  NICKEL  NICKEL  NICKEL		20-SEP-99 True/Sampl 1 10 1,00	The state of the s	0bserved 0.972 9.76 0.847 < 0.00400	mg/L mg/L mg/L mg/L	97.2 97.6 84.7	RPI
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02	78485 CAL Lab ID 9102001 9102001 9102001 9101988 9101989	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL		20-SEP-99    True/Sampl   1	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96	mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02	78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL		20-SEP-99    True/Sampl   10   1:00   5:00   0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486	mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV	78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	J KRAMER S ENDERSON  Parameter  NICKEL  NICKEL  NICKEL  NICKEL  NICKEL  NICKEL  NICKEL  NICKEL		20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01	78485 CAL Lab ID Q102001 Q102001 Q101988 Q101989 Q101989 Q102002	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	J KRAMER S ENDERSON  Parameter  NICKEL  NICKEL		20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE	78485 CAL Lab ID Q102001 Q102001 Q101988 Q101989 Q101989 Q102002 Q102002	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	J KRAMER S ENDERSON  Parameter NICKEL SEE CETT. OF	Review Date:	20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE	78485 CAL Lab ID 9102001 9102001 9102001 9101988 9101989 9101989 9102002 A495440	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	J KRAMER S ENDERSON  Parameter NICKEL See Cert. of	Review Date:	20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	1.2
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS:A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE	78485 CAL  Lab ID  Q102001  Q102001  Q102001  Q101988  Q101989  Q101989  Q101989  Q102002  Q402002  A495440  A495441	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL SEE CETT. of SEE CETT. of	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE SAMPLE	78485 CAL  Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495443	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL SEE CETT. of SEE CETT. of	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99 True/Sampl 10 1.00 5.00 0	Spike Val	0bserved 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE	78485 CAL  Lab ID  Q102001  Q102001  Q102001  Q101988  Q101989  Q101989  Q101989  Q102002  A495440  A495443  A495444	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN NA	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL SEE CETT. of SEE CETT. of SEE CETT. of	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99   True/Sampl   10   1.00   5.00   0   5.00	Spike Val	Observed 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.480 4.85 < 0.00400	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	
Run: R3 ANALYTI QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE SAMPLE CCY	78485 CAL  Lab ID  Q102001  Q102001  Q102001  Q101988  Q101989  Q101989  Q101989  Q102002  A495440  A495443  A495444  Q102002	Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN NA	J KRAMER S ENDERSON  Parameter NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL NICKEL SEE CETT. of SEE CETT. of NICKEL NICKEL	Review Date:  Analysis, Rep: 0  Analysis, Rep: 0  Analysis, Rep: 0	20-SEP-99   True/Sampl   10   1.00   5.00   0   5.00	Spike Val	Observed 0.972 9.76 0.847 < 0.00400 4.96 0.486 0.486 4.85 < 0.00400	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	97.2 97.6 84.7 99.2 97.2 96 97	

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
CV01	Q102041	PERKIN	NICKEL	•		0.981	mg/L	98.1	
<b>⊅</b> L01	9102042	INORGAN	NICKEL	10		9.98	mg/L	99.8	
ICS-A	Q102042	PERKIN	NICKEL	1.00		0.827	mg/L	82.7	
CCV	Q102071	INORGAN	NICKEL	5.00		5.01	mg/L	100.2	1
BLA01	9102071	NA	NICKEL		***************************************	< 0.00400	mg/L		1
SAMPLE	A495442		See Cert. of Analysis, Rep: 0						
CCA	Q102071	INORGAN	NICKEL	5.00		4.98	mg/L	99.6	
BLA01	Q102071	NA	NICKEL			< 0.00400	mg/L		
CDL01	0102072	PERKIH	NICKEL	0.080		0.0843	mg/L	105.4	
ICS-A	Q102072	PERKIN	NICKEL	1.00		0.888	mg/L	88.8	<u> </u>
ANALYTI ICV01	Q102082	Reviewer:	S ENDERSON Review Date: 22-	1 1		1.00	mg/L	100	
ICV01	9102082	PERKIN	NICKEL	1		1.00	mg/L	100	
CDL01	9102082	INORGAN	NICKEL	10		10.1	mg/L	- 101	
ICS-A	9102082	PERKIN	NICKEL	1.00		0.838	mg/L	83.8	
BLA02	Q102046	NA	NICKEL			< 0.00400	mg/L		
LCS	9102046	SPEX	NICKEL	5.00		4.76	mg/L	95.2	
SPI02	9102046	A495534	NICKEL	0	0.500	0.470	mg/L	94	<u> </u>
DPS02	Q102046	A495534	NICKEL	0	0.500	0.468	mg/L	93.6	.4
UPSUC	9102084	INORGAN	NICKEL	5.00		4.68	mg/L	93.6	
CCV	Q102084	NA	NICKEL			< 0.00400	mg/L		
~			See Cert. of Analysis, Rep: 0	S CANTA					
CCV	A495445	· [ · · · · · · · · · · · · · · · · · ·	NICKEL	5.00		4.79	mg/L	95.8	1
CCV BLA01	A495445 Q102084	INORGAN		1	1	< 0.00400	mg/L		}
CCV BLAO1 Sample		NA	NICKEL			1			
CCV BLAG1 SAMPLE CCV	Q102084		NICKEL NICKEL	0.080 1.00		0.0800	mg/L	100	

POTASS	SIUM ICE	SW846-6	010B	M126.3
Prep:	FAA OR	ICP ACI	D DIGESTIO	N OF AQUEOUS SAMPLES SW846-3005A
Run: R37	78401	Analyst.: D Reviewer: W	BUSCO WATNESS	Run Date: 17-SEP-99 Review Date: 20-SEP-99
QC Type	Lab ID	Source	Anal Run	
BLA02	Q101988	NA	R378485	
LCS	Q101989	SPEX	R378485	
SP102	0101989	A495325	R378485	
DPS02	Q101989	A495325	R378485	
SAMPLE	A495440	Rep: 0	R378485	
SAMPLE	A495441	Rep: 0	R378485	
SAMPLE	A495442	Rep: 0	R378485	
SAMPLE	A495443	Rep: 0	R378485	
SAMPLE	A495444	Rep: 0	R378485	
Run: R37	78575	Analyst.: [ Reviewer:		Run Date: 21-SEP-99 Review Date: 21-SEP-99
BLA02	Q102046	NA	R378646	
LCS	Q102046	SPEX	R378646	
SP102	Q102046	A495534	R378646	
DPS02	Q102046	A495534	R378646	
SAMPLE	A495445	Rep: 0	R378646	

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Run: R37		Analyst.: Reviewer:	J KRAMER Run Date: 17-S S ENDERSON Review Date: 20-S		instrument:	ICP		<u></u>	
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
tCV01	Q102001	PERKIN	POTASSIUM	10		10.3	mg/L	103	
ICV01	Q102001	SPEX	POTASSIUM	20		20.6	mg/L	103	
BLA02	Q101988	NA	POTASSIUM			< 0.0800	mg/L		
LCS	Q101989	SPEX	POTASSIUM	100		106.	mg/L	106	
SP102	9101989	A495325	POTASSIUM	1.28	100	109.	mg/L	107.7	
DPS02	Q101989	A495325	POTASSIUM	1.28	100	108.	mg/L	106.7	.9
CCV	Q102002	INORGAN	POTASSIUM	50		51.2	mg/L	102.4	
BLA01	Q102002	NA	POTASSIUM			< 0.0800	mg/L		1.
SAMPLE	A495440		See Cert. of Analysis, Rep: 0						
SAMPLE	A495441		See Cert. of Analysis, Rep: 0	l	·		19010.	क्षा हि	-
SAMPLE	A495442		See Cert. of Analysis, Rep: 0						
SAMPLE	A495443		See Cert. of Analysis, Rep: 0				李二九	ದಿನಚಿ	
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
CCV	0102002	INORGAN	POTASSIUM	50		53.0	mg/L °O€	106	<b>'</b> '
BLA01	0102002	NA	POTASSIUM			< 0.0800	mg/L		
Run: R3		Analyst.: Reviewer:	J KRAMER Run Date: 21-S S ENDERSON Review Date: 22-S		Instrument:	ICP			
ICV01	Q102082	PERKIN	POTASSIUM	10		10.1	mgr/L	101	
ICV01	Q102082	SPEX	POTASSIUM	20		20.2	mg/L	101	
BLA02	Q102046	NA	POTASSIUM			< 0.0800	mg/L		
LCS	Q102046	SPEX	POTASSIUM	100	South Ch as	103.	mg/L	103	
SP102	0102046	A495534	POTASSIUM	3.01	100	108.	mg/L	105	
	Q102046	A495534	POTASSIUM	3.01	100	107.	mg/L	104	1
DPS02	4105040			50		49,9	mg/L	99.8	
	Q102084	INORGAN	POTASSIUM						
		I NORGAN	POTASSIUM	外州湖。	paid Cyrel	< 0.0800	mg/L		1
CCV	Q102084				, इक्कांके ए पूज्यान संस्था	< 0.0800	mg/L		
	Q102084 Q102084		POTASSIUM		PA YA	< 0.0800 49.9	mg/L mg/L	99.8	

SELEN!	UM TRAC	E ICP SW	846-6010B					M128.	0
Prep:	FAA OR	ICP ACI	D DIGESTIO	N OF AQUEOUS	SAMPLES	SW846-3005	A		
Run: R37	8401	Analyst.: D Reviewer: W		Run Date: Review Date:					
QC Туре	Lab ID	Source	Anal Run						
SAMPLE	A495440	Rep: 0	R378572				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
SAMPLE	A495441	Rep: 0	R378572						
SAMPLE	A495442	Rep: 0	R378572						14111111111111111111111111111111111111
SAMPLE	A495443	Rep: 0	R378572						
SAMPLE	A495444	Rep: 0	R378572		***************************************				
BLA02	Q101989	NA	R378572	•			7.		-Dailtean 18
LCS	Q101989	INORGAN	R378572						
SPI02	Q101989	A495325	R378572						·
DPS02	9101989	A495325	R378572						
Run: R37	8575	Analyst.: D Reviewer: W		Run Date: Review Date:	21-SEP-99 21-SEP-99	e.	•	$\frac{1}{2} \frac{h}{r} = \frac{1}{r} \frac{2\pi}{r}$	AGET WAS TO THE TOTAL THE
SAMPLE	A495445	Rep: 0	R378897						
BLA02	Q102046	NA	R378707						
LCS	Q102046	INORGAN	R378707						
SPI02	Q102046	A495534	R378707		****	•			Transport Control
DPS02	<b>0102046</b>	A495534	R378707						

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Run: R37		Analyst.: Reviewer:			Instrument:	TRACE ICP			
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	%-Rec	RPD
CV01	Q102036	PERKIN-	SELENIUM	0.05		0.0505	mg/L	101	
DL01	Q102036	INORGAN	SELENIUM	0.5		0.512	mg/L	102.4	
ICS-A	Q102036	PERKIN	SELENIUM	0.05		0.0497	mg/L	99.4	
CV	Q102036	INORGAN	SELENIUM	0.1		0.102	mg/L	102	
BLAG1	9102037	NA	SELENIUM			< 0.00200	mg/L		
BLA02	Q101989	NA	SELENIUM			< 0.00200	mg/L	.×:	,
.cs	Q101989	INORGAN	SELENIUM	0.5		0.568	mg/L	113.6	
SP102	Q101989	A495325	SELENIUM	0	2	2.07	mg/L	103.5	·
PS02	Q1U1989	A495325	SELENIUM	0	2	2.03	mg/L	101.5	2
SAMPLE	A495440		See Cert. of Analysis, Rep: 0				ed Com	gai ar	1
SAMPLE	A495441		See Cert. of Analysis, Rep. 0	Annual control of the					
SAMPLE	A495442		See Cert. of Analysis, Rep: 0				225.17	Tr - 3 6	
SAMPLE	A495443		See Cert, of Analysis, Rep. 0						
CCV	9102037	INORGAN	SELENIUM	0.1		0.0996	mg/L	99.6	1
BLA01	0102037	NA	SELENIUM			< 0.00200	mg/L		
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						********
CCV	Q102037	I NORGAN	SELENIUM	0.1		0.0996	mg/L	99.6	
BLA01	Q102037	NA	SELENIUM			< 0.00200	mg/L	-	
CDL01	9102038	PERKIN-	SELENIUM	0.01		0.0110	mg/L	110	
ICS-A	Q102038	PERKIN	SELENIUM	0.05		0.0404	mg/L	80.8	
Run: R37		Analyst.: Reviewer:	G MAPP Run Date: 22- A HILSCHER Review Date: 23-		Instrument:	TRACE ICP		•	
BLA02	Q102046	NA	SELENIUM			<b>&lt;</b> 0.00200	mg/L		
LCS	Q102046	INORGAN	SELENIUM	0.5		0.531	mg/L	106.2	
SPI02	Q102046	A495534	SELENIUM	0	2	2.16	mg/L	108	
DPS02	Q102046	A495534	SELENIUM	0	2	2.1	mg/L =	105	2.8
Run: R37		Analyst.: Reviewer:		SEP-99 SEP-99	Instrument:	TRACE I CP		57	
I CV01	9102231	PERKIN-	SELENIUM	0.05		0.0505	mg/L	101	
CDL01	Q102231	INORGAN	SELENIUM	√ 0.5 ; <sup></sup>		0.483	mg/L	96.6	
ICS-A	0102231	PERKIN	SELENIUM	0.05		0.0496	mg/L	99.2	
CCV	Q102232	INORGAN	SELENIUM	0.1		0.0965	mg/L .	96.5	
BLA01	0102232	NA	SELENIUM			< 0.00200	mg/L		
	A495445		See Cert. of Analysis, Rep: 0						
SAMPLE	4::::::::::::::::::::::::::::::::::::::	INORGAN	SELENIUM	0.1		0.0980	mg/L	98	
	Q102232				arganisa and and and and and and and and and an			4	
SAMPLE CCV BLA01	Q102232 Q102234	NA	SELENIUM			< 0.00200	mg/L ~ .	- 2	ı
CCV	•		SELENIUM SELENIUM	0.01		< 0.00200 0.00875	mg/L mg/L	87.5	

990000000000000000000000000000000000000	200000000000000000000000000000000000000	1846-6010 ICP ACI	000000000000000000000000000000000000000	N OF AQUEOUS SAMPLES SW846-3005A	M130.3
Run: R37		Analyst.: D Reviewer: W		Run Date: 17-SEP-99 Review Date: 20-SEP-99	المعاولة عن مدايد كالماء عن
QC Туре	Lab ID	Source	Anal Run		The state of the s
BLA02	Q101988	NA	R378485	· · · · · · · · · · · · · · · · · · ·	
LCS	Q101989	SPEX	R378485		
SPI02	Q101989	A495325	(4) (4)		
DPS02	Q101989	A495325	R378485	· · · · · · · · · · · · · · · · · · ·	Aug Kom Get
SAMPLE	A495440	Rep: 0			
SAMPLE	A495441	Rep: 0	R378485		The same of the sa

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ас Туре	Lab ID	Source	Anal Run						Jan (1984)	
AMPLE	A495442	Rep: 0	R378485						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
AMPLE	A495443	Rep: 0	R378485					- J	បន ១៧៩	
AMPLE	A495444	Rep: 0	R378485							
Run: R37 PREP	8575	Analyst.: Reviewer:		Run Date: 2 Review Date: 2			٠		ang ?	
BLA02	<b>9102046</b>	NA	R378646							
LCS	Q102046	SPEX	R378646							:. <sub></sub> -
SP102	0102046	A495534	R378646							· · · · · · · · · · · · · · · · · · ·
DPS02	<b>Q102046</b>	A495534	R378646					11 (12)	and the	gazza erri elek
SAMPLE	A495445	Rep: 0	R378646	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Run: R37		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: 1 Review Date: 2		Instrument:	ICP	<u>11</u> Ceta	91-145 1 1-1-1-10	
ас Туре	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed	Units	% Rec	RP
ICV01	Q102001	PERKIN	SILVER		0,5		0.507	mg/L	101.4	
CDL01	Q102001	INORGAN	SILVER		2		1.97	mg/L	2 98.5	
ICS-A	Q102001	PERKIN	SILVER		0.2		0.175	mg/L	87.5	
BLA02	Q101988	NA	SILVER				< 0.00400	mg/L	20 is 1911	
LCS	Q101989	SPEX	SILVER		0.500		0.500	mg/L	100	
SPI02	Q101989	A495325	SILVER		0	0.050	0.0469	mg/L	93.8	
DPS02	Q101989	A495325	SILVER		0	0.050	0.0455	mg/L	91	3
CCV	Q102002	INORGAN	SILVER	•	1.00		0.975	mg/L	97.5	
BLAO1	Q102002	NA.	SILVER				< 0.00400	mg/L		
SAMPLE	A495440		See Cert. of	nalysis, Rep: 0				•	- 1	
SAMPLE	A495441		See Cert. of	malysis, Rep: 0						
SAMPLE	A495442			lnalysis, Rep: 0	2	7. 0 mg	Šà.			
SAMPLE	A495443		See Cert, of	lnalysis, Rep: 0			\$ 2			
SAMPLE	A495444		See Cert. of /	Analysis, Rep: 0	1 (a g (a g 4))		1.5		,	-
CCV	9102002	INORGAN	SILVER		1.00		0.992	mg/L	99.2	
BLA01	Q102002	NA	SILVER	用用"一门"		and.	< 0.00400	mg/L	F	
CDL01	<b>0102004</b>	PERKIN	SILVER	7	0.020	. 1.7.1	0.0193	mg/L	96.5	
ICS-A	Q102004	PERKIN	SILVER		0.2		0.172	mg/L	86	
Run: R3		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date:		Instrument:	ICP			
ICV01	Q102082	PERKIN	SILVER		0.5		0.514	mg/L	102.8	
CDL01	Q102082	INORGAN	SILVER		2	1	2.00	mg/L	100	
1CS-A	Q102082	PERKIN	SILVER		0.2		0.169	mg/L	84.5	
BLA02	Q102046	NA	SILVER		-		< 0.00400	mg/L		
LCS	<b>0102046</b>	SPEX	SILVER		0.500		0.484	mg/L	96,8	
SP102	Q102046	A495534	SILVER		0	0.050	0.0416	mg/L	83.2	
DPS02	Q102046	A495534	SILVER		0	0.05	0.0386	mg/L	77.2	7.5
CCV	Q102084	INORGAN	SILVER		1.00		0.959	mg/L	95.9	
BLA01	Q102084	NA	SILVER				< 0.00400	mg/L		
SAMPLE	A495445		See Cert. of	Analysis, Rep: 0		,	2		SS 22 23	. [[
	<b>Q102084</b>	INORGAN	SILVER		1.00		0.970	mg/L	97	
CCV		1	SILVER			1	< 0.00400		Sefet topp ≱e-	- [
CCV BLA01	Q102084	NA NA	STEALY							
	Q102084 Q102085		SILVER		0.020		0.0182	mg/L	91	

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Run: R37		Analyst.: [	D BUSCO	Run Date: Review Date:	17-SEI	P-99	+0-3005A	· · · · · · · · · · · · · · · · · · ·	-	· ·	
C Type	Lab ID	Source	Anal Run					<del></del>			
LA02	Q101988	NA	R378485			***************************************		·····			•••••
	Q101989	SPEX	R378485								••••••
.CS	***************	A495325	R378485							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
SP102	Q101989										<b>******</b> ******************************
PS02	Q101989	A495325	R378485					***************************************	4.		
SAMPLE	A495440	Rep: 0	R378485								
SAMPLE	A495441	Rep: 0	R378485							·	
SAMPLE	A495442	Repr 0	R378485							***************************************	
SAMPLE	A495443	Rep: 0	R378485		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
SAMPLE	A495444	Rep: 0	R378485							···	***************************************
Run: R37 PREP	<b>8575</b> . b	Analyst.: Reviewer:	D'BUSCO W Watness	Run Date: Review Date:			37 <u>2</u> 1			andre Compression	
BLA02	Q102046	NA	R378646								
LCS	Q102046	SPEX	R378646								
SPIQ2	Q102046	A495534	R378646			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
DPS02	Q102046	A495534	R378646								
SAMPLE	A495445	Rep: 0	R378646								
Run: R37 ANALYTIC		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: Review Date:	20-SE	P-99	nstrument:	ICP			
ас туре	Lab ID	Source	Parameter	The winderstand of the	1	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
I CVO1	Q102001	PERKIN	SODIUM			4		1.00	mg/L	100	
ICV01	Q102001	SPEX	SODIUM			20		20.2	mg/L	101	
BLAOZ	Q101988	NA	SODIUM	The many the series of the ser		)	wang	< 0.0800	mg/L		
LCS	Q101989	SPEX	SOD I UM	-1-7	,7	100	3-47	103.	mg/L **	103	1
SPI02	Q101989	A495325	SODIUM		117	9.62	100	113.	mg/L	103.4	
DPS02	Q101989	A495325	SODIUM	لادن لنده لا ال	(#d) ~	9.62	100	112.	mg/L	102.4	1
CCV	0102002	INORGAN	SODIUM			50		49.9	mg/L	99.8	
BLA01	Q102002	NA		Tarano mare	ينتني .		<b>アレミ 足 A</b> .	< 0.0800	mg/L		1
SAMPLE	A495440	ļ		Analysis, Rep: 0		7.5					
SAMPLE	A495441			Analysis, Rep: 0	4		***************************************				
SAMPLE	A495442			Analysis, Rep: 0							
SAMPLE	A495443			Analysis, Rep: 0						2.22	
SAMPLE	A495444			Analysis, Rep. 0							
CCV -	Q102002	INORGAN	SODIUM	Allacijola, Kep. u	************	50	[:::::::::::::::::::::::::::::::::::::	51.7	mg/L	103.4	
BLA01	0102002	NA	SOUTUM			30		< 0.0800	, . ,	. 103.4	
Run: R3	78646	Analyst.:		Run Date: Review Date:			Instrument:		mg/L		···
ICV01	0102082	PERKIN	SODIUN		***********			1,01	mg/L	101	
1CV01	Q102082	SPEX	SODIUM	** .	mmmi •••	20		20.3	mg/L	101.5	************
BLA02	Q102046	NA.	SODIUM	<u></u>				< 0.0800	mg/L		
LCS	Q102046	SPEX	SODIUM		v.v.v.v.v.	100		102.	mg/L	102	1
SP102	G102046	A495534	SODIUM	***************************************		80.8	100	186.	mg/L	105,2	
DPS02	Q102046	A495534	SCOTUM			80.8	100	184.		- 407 6	1.9
CCY	Q102084	INORGAN	SOOTUM	y at a		50.6		49.6	mg/L	99.2	11.7
BLA01	Q102084	NA	SODIUM					< 0.0800			1
BLAUI	1	NA.					<u> </u>	<b>~ 0.0000</b>	mg/L		
CAMOLE	" AYORTIF"			And West							
SAMPLE CCV	A495445	INORGAN	See Cert. of	Analysis, Rep: 0		50		49.7	mg/L	99.4	

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Run: R37	8401	Analyst.: Reviewer:		Run Date: Review Date:							
C Type	Lab ID	Source	Anal Run	NOTION DUIGI					- Al-	The state of the s	S
AMPLE	A495440	Rep: 0	R378572							original.	
AMPLE	A495441	Rep: 0	R378572					***************************************			 Garaga
AMPLE	A495442	Rep: 0	R378572				· · · · · · · · · · · · · · · · · · ·				
AMPLE	A495443	Rep: 0	R378572					·····	संबंधित	्च वे वे केन्द्र	
AMPLE	A495444	Rep: 0	R378572								~ \ L
BLA02	Q101989	NA	R378572					-	10 11 1154	on in the second	(1 <u>.</u> A
cs	Q101989	INORGAN	R378572						4	Parties of Section 1997, 1997	
SP102	Q101989	A495325	R378572			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•••••••••			a.s. a.s. 2.
PS02	<b>¤</b> 101989	A495325	R378572						,	and the same of th	-1-4 - 68 y - 9
Run: R37	8575	Analyst.:		Run Date:	21-SEP	-99		And Said William	-Janua	97.75°	
PREP		Reviewer:		Review Date:	21-SEP	44		1 * * .	100	ies Jan	\$. \$.
SAMPLE	A495445	Rep: 0	R378707								
BLA02	Q102046	NA '	R378707								
LCS	Q102046	INORGAN	R378707							n-s-Dates some	
SPI02	Q102046	A495534	R378707								•••••
DPS02	Q102046	A495534	R378707						***********		
Run: R37		Analyst.: Reviewer:		Run Date: Review Date:			Instrument:	TRACE ICP	\\ \	<b>出</b> 至3位:	
C Type	Lab ID	Source	Parameter	Stranger Will Frankley	3 - 5 <b>1</b>	rue/Sampl	Spike Val	Observed	Units	- % Rec	RPC
ICV01	9102036	PERKIN-	THALLIUM			0.05		0.0538	mg/L	107.6	
DL01	Q102036	INORGAN	THALLIUM			0.5		0.511	mg/L	102.2	
ICS-A	Q102036	PERKIN	THALLIUM			0.1		0.0899	mg/L	89.9	
CCV	Q102036	INORGAN	THALLIUM	erest of the		0.1		0.104	mg/L	104	1
BLA01	₽1020 <b>3</b> 7	NA	THALLIUM	1,447		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1121 251	∢ 0.00400	mg/L	•	
BLA02	Q101989	NA	THALLIUM	and was recorded to the contract	4 🗳 👈 i.	் வி.	1 List	< 0.00400		÷6 % ~=	
LCS	9101989	INORGAN	THALLIUM	***************************************		0.5		0.565	mg/L	113	
SPI02	Q101989	A495325	THALLIUM	. Šaromas jasas, os	· · · · · · · · · · · · · · · · · · ·	0	,3	2.99	mg/L	99.7	1.
DPS02	Q101989	A495325	THALLIUM			0	3	2.90	mg/L	96.7	3.1
SAMPLE	A495440		See Cert. of	Analysis, Rep: 0						~i; , ;	
SAMPLE	A495441		See Cert. of	Analysis, Rep: 0							
SAMPLE	A495442		See Cert. of	Analysis, Rep: 0		,					
SAMPLE	A495443		See Cert. of	Analysis, Rep: 0							
CCV	Q102037	INORGAN	THALLIUM			0.1		0.101	mg/L	101	
BLA01	0102037	NA	THALLIUM					< 0.00400	mg/L		
SAMPLE	A495444		See Cert. of	Analysis, Rep: 0							
CCV	9102037	INORGAN	THALLIUM			0.1		0.102	mg/L	102	
BLA01	Q102037	NA	THALLIUM					< 0.00400	mg/L		
CDL01	Q102038	PERKIN-	THALLIUM			0,02		0.0206	mg/L	103	
ICS-A	Q102038	PERKIN	THALLIUM	7		0.1	4	0.0817	197 =	81.7	
Run: R3		Analyst.:	G MAPP A HILSCHER	Run Date: Review Date:			Instrument:	TRACE ICP	70 A	A CONTRACT	
ICV01	9102133		THALLIUM	wealth patts	, JE	0.05		0.0516	RG/L	103.2	
CDL01	Q102134	INORGAN	THALLIUM			0.5	ration Artist	0.499	*******	₹ <b>9</b> 9.8	100
ICS-A	9102134	PERKIN	THALLIUM			0.1		0.0877	mg/L	87.7	
CCV	Q102134	INORGAN	THALLIUM			0.1		0.105	mg/L	105	T
BLA01	Q102134	NA	THALLIUM					< 0.00400	mg/L		
BLA02	Q102046	NA	THALLIUM					< 0.00400	mg/L	- 411	<b>2</b> 73-
LCS	Q102046	INORGAN	THALLIUM			0.5		0.521	mg/L	104.2	
	1	A495534	THALLIUM				3	3.04	mg/L	101.3	

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
DPS02	Q102046	A495534	THALLIUM				mg/L		2.6
SAMPLE	A495445		See Cert. of Analysis, Rep: 0	-			• .		
CCV	Q102134	INORGAN	THALLIUM	0.1		0.105	mg/L		
BLA01	Q102134	NA	THALLIUM			< 0.00400	mg/L		
CDL01	Q102135	PERKIN-	THALLIUM	0.02			mg/L	92	
ICS-A	Q102135	PERKIN	THALLIUM	0.1		0.0859	mg/L	85.9	

VANADI	IUM ICP	<b>ンボングロー</b> り	20 P R 1				**************************************	M138.3		
9909999999999999	400,440,000,000,000,000,000	300000000000000000000000000000000000000	gaa.wag ; gawaagaawagaaaaaaaaa	ON OF AQUEOUS S	AMPLES SW8	46-3005A		*************	nerigi <b>e</b> e	
Run: R37 PREP	78401	Analyst.:		Run Date: 17 Review Date: 20	'-SEP-99  -SEP-99				¥42:-10)	
C Type	Lab ID	Source	Anal Run		· .			7-9-1	รสรเริ่	22
BLA02	9101988	NA	R378485							
_CS	.Q101989	SPEX	R378485				n sin s		697	, Libr
SPI02	Q101989	A495325	R378485							
DPS02	Q101989	A495325	R378485							
SAMPLE	A495440	Rep: 0	R378485							
SAMPLE	A495441	Rep: 0	R378485							
SAMPLE	A495442	Rep: 0	R378485							
SAMPLE	A495443	Rep: 0	R378485							•
SAMPLE	A495444	Rep: 0	R378485							
Run: R37 PREP	78575	Analyst.: Reviewer:		Run Date: 2 Review Date: 2	-SEP-99  -SEP-99	WALLAST	*. ***********************************			
BLA02	Q102046	NA	R378646							
LCS	9102046	SPEX	R378646		15000	الوالمتوردان والمقولي	** N		***************************************	•••••
**************************************						in aminimina man		<b></b>		
SPIUZ	Q102046	A495534	R378646							
• • • • • • • • • • • • • • • • • • • •	Q102046	A495534 A495534	R378646	ું કુલ	g -a commig	JJ.	19	' 		
SPIO2 DPSO2 SAMPLE	•	• • • • • • • • • • • • • • • • • • • •		434,434	र दोर्भ यस	JH.	ŢΥ	\$ <sup>6</sup> 2		
DPS02	Q102046 A495445 78485	A495534 Rep: 0 Analyst.:	R378646 R378646	Run Date: 1' Review Date: 2'	7-SEP-99	instrument:	ICP	çθ <sub>2</sub>		
DPS02 SAMPLE Run: R37 ANALYTIC	Q102046 A495445 78485	A495534 Rep: 0 Analyst.:	R378646 R378646 J KRAMER	Run Date: 1	7-SEP-99	nstrument:	ICP	Units	% Rec	RPI
DPSO2 SAMPLE Run: R37 ANALYTIC QC Type	Q102046 A495445 78485 CAL	A495534 Rep: 0 Analyst.: Reviewer:	R378646 R378646 J KRAMER S ENDERSON	Run Date: 1 Review Date: 2	7-SEP-99   0-SEP-99   (383**	instrument:	ICP	,		RPI
DPS02 SAMPLE Run: R37 ANALYTIC QC Type ICV01	Q102046 A495445 78485 CAL Lab ID	A495534 Rep: 0 Analyst.: Reviewer: Source	R378646 R378646 J KRAMER S ENDERSON Parameter	Run Date: 1 Review Date: 2	7-SEP-99 I	instrument:	ICP Observed	Units	% Rec	RPI
DPS02 SAMPLE Run: R37 ANALYTIC QC Type ICV01 CDL01	Q102046 A495445 78485 CAL Leb ID Q102001	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   3-SEP-99   (34) 	instrument:	Observed	Units mg/L	% Rec 96.8	RPI
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN	R378646  R378646  J KRAMER S ENDERSON  Parameter VANADIUM VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   10-SEP-99   7-SEP-99   7-7-2-5   7-rue/Sampl   10-sep   10-sep	instrument:	0bserved 0,968 9.86	Units ing/L mg/L	% Rec 96.8 98.6	RPI
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX	R378646  R378646  J KRAMER S ENDERSON  Parameter VANADIUM VANADIUM VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   10-SEP-99   7-SEP-99   7-7-2-5   7-rue/Sampl   10-sep   10-sep	instrument:	0bserved 0,968 9.86 0,453	Units mg/L mg/L mg/L	% Rec 96.8 98.6 90.6	RPI
DPS02 SAMPLE Run: R3. ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   0-SEP-99   7-SEP-99   7-SEP-99	instrument:	0bserved 0,968 9.86 0.453 < 0.00400	Units mg/L mg/L mg/L mg/L	% Rec 96.8 98.6 90.6	RPI
DPS02 SAMPLE Run: R3. ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   10-SEP-99   13-   10   0.500   5.00	spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506	Units Ing/L Ing/L Ing/L Ing/L Ing/L Ing/L	% Rec 96.8 98.6 90.6	
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM	Run Date: 1 Review Date: 2	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101	
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM	Run Date: 1	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	% Rec 96.8 98.6 90.6 101 101.2	
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01	Q102046   A495445   78485   CAL	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM SEE CETT. 01	Run Date: 1 Review Date: 2	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	% Rec 96.8 98.6 90.6 101 101.2	1:2
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of	Run Date: 1 Review Date: 2	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101 101.2 100 98.8	1:2
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101 101.2 100 98.8	1:2
DPS02 SAMPLE Run: R3. ANALYTIC QC Type ICV01 CDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of See Cert. of See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101 101.2 100 98.8	1:2
DPS02 SAMPLE Run: R3. ANALYTIC QC Type ICV01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q101989 Q101989 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495442	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of See Cert. of See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101 101.2 100 98.8	1.2
DPS02 SAMPLE Run: R3. ANALYTIC QC Type ICV01 CCL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q101989 Q102002 A495440 A495441 A495443	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN NA	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of See Cert. of See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val  0.500 0.500	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	% Rec 96.8 98.6 90.6 101.2 100 98.8	1.2
DPS02 SAMPLE Run: R3: ANALYTIC QC Type ICV01 CCDL01 ICS-A BLA02 LCS SPI02 DPS02 CCV BLA01 SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE	Q102046 A495445 78485 CAL Leb ID Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495444 A495444	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN NA	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of See Cert. of See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val  0.500 0.500	0bserved 0,968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94 < 0.00400	Units mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	X Rec 96.8 98.6 90.6 101 101.2 100 98.8	1,2
DPS02 SAMPLE Run: R37	Q102046 A495445 78485 CAL Lab ID Q102001 Q102001 Q102001 Q101988 Q101989 Q101989 Q101989 Q102002 Q102002 A495440 A495441 A495444 A495444 Q102002	A495534 Rep: 0 Analyst.: Reviewer: Source PERKIN INORGAN PERKIN NA SPEX A495325 INORGAN NA INORGAN	R378646 R378646 R378646 J KRAMER S ENDERSON Parameter VANADIUM See Cert. of	Run Date: 1 Review Date: 2  Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0 Analysis, Rep: 0	7-SEP-99   7-SEP-99	Spike Val  0.500 0.500	0bserved 0.968 9.86 0.453 < 0.00400 5.05 0.506 0.500 4.94 × 0.00400	Units  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L  mg/L	X Rec 96.8 98.6 90.6 101 101.2 100 98.8	· •

- 1. <u>Agreement</u>- To initiate services. Client must sign the Heritage Laboratory Services Quotation form and submit a written purchase order. Submittal of a purchase order and/or samples constitutes acceptance and acknowledgment by Client to be bound by this Agreement.
- 2. <u>Fees</u>- Heritage shall provide services at the prices stated in its Quotation. Heritage reserves the right to change prices after providing Client with a 30 day notification.
- 3. <u>Taxes</u>- Prices do not include taxes. It is the Client's responsibility to provide documentation to Heritage if the Client is exempt from tax liability.
- 4. Payment- Invoices are payable on receipt. All outstanding balances unpaid after 30 days of Client's receipt of invoices are subject to interest, either 1.5% per month or the amount permissible under applicable law.
- 5. <u>Samples</u>- Samples delivered to Heritage by others are taken "as is". Heritage makes no guarantee nor representation as to chain-of-custody prior to acceptance by Heritage. Heritage will not be responsible for exceeding holding times if the samples are not promptly delivered. All samples delivered on the weekends or after hours must be scheduled in advance.
- 6. <u>Sample Retention</u>- Samples and sample derivatives will be kept for 15 days after the report of analysis is made. Sample storage beyond 15 days is available at extra cost.
- 7. Sample Analysis- Heritage uses analytical methods which conform with the U.S. EPA, State Agency, American Society for Testing & Materials, Association of Official Analytical Chemists, Standard Methods for the Examination of Water and Wastewater or other recognized methodologies. Records of Heritage Laboratory procedures, including the Heritage Quality Assurance Program Plan, may be inspected by Clients.
- 8. <u>Sample Reports</u>- Heritage shall provide a written report of the results of its services which will include test results, detection limits, dates of analysis, the analyst, and analytical method references. Additional documentation and special reports are available for additional fees, but must be arranged prior to sample delivery.
- 9. <u>Confidentiality</u>- Heritage shall not disclose results or any other information provided by the Client to any third party, except where required by law. Heritage shall have no obligation to oppose any legal proceeding taken to obtain laboratory test results of confidential information.
- 10. Additional or Different Tasks- If additional analytical testing is necessary due to sample matrix interferences, multi-phase samples or any factor not disclosed to Heritage prior to its acceptance of the sample, the Client will be notified of the additional cost and will be given the opportunity to agree to the additional work or return of the sample.

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- 11. Cancellation- If the Client cancels its order after the sample has been prepped and analyzed, the full fee in Heritage's quotation will apply. A \$25 cancellation fee will apply if a sample is delivered and accepted at the laboratory.
- 12. <u>Indemnification</u>- Client agrees to indemnify and hold harmless Heritage from all loss, damage, cost and expenses, including attorney fees from any suit, claim or action against Heritage or which names Heritage as a party because:
  - a. Heritage performed analysis or work for the Client.
  - b. of negligent acts, errors or omissions of the Client; or
  - c. of Client's failure to perform its obligations under this Agreement.

Run: R37		Analyst.: Reviewer:		Run Date: 21-SE Review Date: 22-SE		nstrument:	ICP	1		ŧ-
QC Type	Lab ID	Source	Parameter		True/Sampl	Spike Val	Observed	Units	% Rec	RPD
ICV01	Q10208Z	PERKIN	VANADIUM				0.993	mg/L	99.3	1
CDL01	Q102082	INORGAN	VANAD I UM		10		10.2	mg/L	102	7, 14
ICS-A	Q102082	PERKIN	VANAD I UM		0.500		0.458	mg/L	91.6	
BLA02	Q102046	NA	VANADIUM				< 0.00400	mg/L		-
LCS	Q102046	SPEX	VANADIUM		5.00		4.92	mg/L	98.4	
SP102	Q102046	A495534	VANAD IUM		0	0.500	0.493	mg/L	- 98.6	
DPS02	Q102046	A495534	VANAD1UM		Ò	0.500	0.487	mg/L	97.4	1.2
CCV	Q102084	INORGAN	VANADIUM		5.00		4.83	mg/L	96.6	***
BLA01	Q102084	NA	VANADIUM				< 0.00400	mg/L		
SAMPLE	A495445		See Cert. of	Analysis, Rep: 0		•			<b>0</b> 28 0	. ±-
CCV	Q102084	INORGAN	VANAD IUM		5.00		4.94	mg/L	98.8	
BLA01	Q102084	NA 15	VANADIUM				< 0.00400	mg/L s	10.3	40 · M
CDL01	9102085	PERKIN	VANADIUN		0.100		0.101	reg/L	101	
ICS-A	9102085	PERKIN	VANADIUM		0.500		0.454	mg/L	90.8	7

86276664666427746664	1 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	16-6010B   ICP ACI	D DIGEST	ION OF AQUEOUS	SAM	PLES SW84	16-3005A	l	4139.3	, · '\$1-	
Run: R37 PREP	8401	Analyst.:   Reviewer:		Run Date: Review Date:							13
QC Туре	Lab ID	Source	Anal Run	e distinction is	in i	o aver	<b>《科斯科》</b>				
BLA02	Q101988	NA	R378485		· · · · · · · · · · · · · · · · · · ·			**************************************			
LCS	Q101989	SPEX	R378485	Fig. 1. Ave. 3.1. 1975s Tento	gan, nga	n in Maryany (Ph. )	errang timen n	176 178	e name	z. Ple,	
SPI0Z	Q101989	A495325	R378485				**************************************				
DPS02	Q101989	A495325	R378485	211 27 37	7	4 . 4 . 4 . 4	୪୭୭ - ଲୌନ	e estable			
SAMPLE	A495440	Rep: 0	R378485							**************************************	
SAMPLE	A495441	Rep: 0	R378485	ा । एक राज्यने प्राप्तिकी	√isi r	الأنبي العاد القادة	· Alleria	· 1879	: 37.	÷	
SAMPLE	A495442	Rep: 0	R378485								
SAMPLE	A495443	Rep: 0	R378485	A STEEL THREAT	٧	an an absent					
SAMPLE	A495444	Rep: 0	R378485				***************************************				
Run: R37 PREP	78575	Analyst.: Reviewer:		Run Date: Review Date:					· -	:	•
BLA02	0102046	NA	R378646								
LCS	Q102046	SPEX	R378646								
SP102	0102046	A495534	R378646		•••••••••					***************	
DPS02	Q102046	A495534	R378646			•			1) U		**********
SAMPLE	A495445	Rep: 0	R378646								
Run: R37		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: Review Date:	17-SI 20-SI	EP-99 1 EP-99	nstrument:	ICP,			
QC Type	Lab ID	Source	Parameter	: .	.:.	True/Sampl	Spike Val	Observed	Units	% Rec	RPI
1CV01	Q102001	PERKIN	ZINC			1	•••••	0.976	mg/L	97.6	
CDL01	Q102001	INORGAN	ZINC			10		9.73	mg/L ≌u	97.3	
ICS-A	<b>¤102001</b>	PERKIN	ZINC			1,00	***************************************	0.896	mg/L	89.6	
BLA02	Q101988	NA -,;	ZINC	The second section of	de	Sign	·/	0.0118	mg/L	et ni -	Si
LCS	0101989	SPEX	ZINC			5.00		5.12	mg/L	102.4	ļ.
SPI02	Q101989	A495325	ZINC			0.0553	0.500	0.559	mg/L &C	100.7	4.
DPS02	Q101989	A495325	ZINC			0.0553	0.500	0.559	mg/L	100.7	a
CCV	Q102002	INORGAN	ZINC			5.00		4.86	mg/L	97.2	
BLA01	9102002	NA	ZINC					< 0.00800	mg/L		
	A495440	1	See Cert.	of Analysis, Rep: 0	44	1.75	<i>- 7-</i>	۷. ۶	a miles miles		1
SAMPLE	11773770										

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  - b. of negligent acts, errors or omissions of the Client; or
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QC Type	Lab ID	Source	Parameter	4	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
SAMPLE	A495442		See Cert. of	Analysis, Rep: 0						
SÄMPLE	A495443		See Cert. of	Analysis, Rep: 0				1000		
SAMPLE	A495444		See Cert. of	Analysis, Rep: 0						
CCV	9102002	INORGAN	ZINC		5.00	}	4.92	mg/L	98.4	ł
BLAG1	9102002	NA	ZINC				< 0.00800	mg/L		
CDL01	Q102004	PERKIN	ZINC		0.040		0.0426	mg/L	106.5	Ī
ICS-A	9102004	PERKIN	ZINC		1,00		0.885	mg/L	88.5	
Run: R37		Analyst.: Reviewer:	J KRAMER S ENDERSON	Run Date: 2 Review Date: 2		instrument:	ICP	स्त्रके क अस्ट्रहरू	The property	•
ICV01	Q102082	PERKIN	ZINC				1.00	mg/L	100	
CDL01	Q102082	INORGAN	ZINC 👙	*.	10	7.11	-10.0	mg/L	.100	
ics-a	0102082	PERKIN	ZINC		1.00		0.893	mg/1	89.3	
BLA02	9102046	NA	ZINC		·	l	< 0.00800	mg/L		
t CS	<b>0102046</b>	SPEX	ZINC		5.00		4.92	mg/L	98.4	
SP102	Q102046	A495534	ZINC		0	0.500	0.487	mg/L	97.4	
DPS02	Q102046	A495534	ZINC		0	0.500	0.488	mg/L	97.6	.2
CCA	Q102084	INORGAN	ZINC		5.00		4.70	mg/L 3	94	
BLA01	Q102084	NA.	ZINC				< 0.00800	mg/L		
SAMPLE	A495445		See Cert. of	Analysis, Rep: 0						
CCV	Q102084	INORGAN	ZINC		5.00		4.82	mg/L	96.4	
BLA01	Q102084	NA	ZINC				< 0.00800	mg/L	ŀ	
CDL01	Q102085	PERKIN	ZINC		0.040		0.0508	mg/L	127	
ICS-A	Q102085	PERKIN	ZINC		1.00	TOT THE PARTY.	0.908	mg/L	90.8	Ī

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Run: R3	78540	Analyst.: . Reviewer:	J OELSLAGER F PINCKERT	R	un Date: eview Date:	20-SEP-99 21-SEP-99		Jal J		; A	3 17 17 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
QC Type	Lab ID	Source	Anal Run	· .	-	:		2 N.S				
BLA02	Q102032		R379048									
LCS	Q102032	EMS	R379048	1. Far (5	Links II.	A call a Aure		A A TO BE A SECOND TO SECOND				
SPI02	Q102032	A495442	R379048						***************************************		**************************************	
DPS02	Q102032	A495442	R379048		,							
SAMPLE	A495440	Rep: 0	R379048									
SAMPLE	A495441	Rep: 0	R379048						•			
SAMPLE	A495442	Rep: 0	R379048									
SAMPLE	A495443	Rep: 0	R379048				٠.				:	
SAMPLE	A495444	Rep: 0	R379048						######################################		***************************************	
SAMPLE	A495445	Rep: 0	R379048							المراجعة المراجعة		
Run: R3 ANALYTI		Analyst.:			Run Date: Review Date:			nstrument:	GC/ECD		, where	
QC Type	Lab ID	Source -	Parameter	• • •	· War Day	াল্যান True	/Sampl	Spike Val	Observed	Units	% Rec	RPD
	0102032		ALPHA-BHC						BDL 0.05	ug/L		
BLA02									BDL 0.05	ug/L	***************************************	<b>†</b>
BLA02 BLA02	Q102032		BETA-BHC			l l	ľ		BUL U.U3	<del>"</del> 8/ =		
BLA02	Q102032 Q102032		BETA-BHC DELTA-BHC						BDL 0.05	ug/L		
•••••••••••••••••••••••••••••••••••••••		indivis.	1	LINDANE)	) Sán o	main i	` u 184	9 55E5E		ug/L	3.7	
BLA02 BLA02 BLA02	q102032	hide/sh	DELTA-BHC	LINDANE)	) Ligação	misir) i.	` y 1 <u>\$</u>	५ <u>ः श्</u> रद्धाः	BDL 0.05	ug/L	- 3°	
BLA02 BLA02 BLA02 BLA02	q102032 , q102032	::idlexso	DELTA-BHC GAMMA-BHC (	LINDANE)	) ျှင်းများရှိ	misir i.	. A.15.	s ক <b>্ষ্</b> ৰি	BDL 0.05 BDL 0.05	ug/L ug/L	37.37	
BLA02 BLA02 BLA02 BLA02 BLA02	9102032 , 9102032 , 9102032	in influición	DELTA-BHC GAMMA-BHC ( HEPTACHLOR		)	misir ii.	` \\ 1\ <del>\</del>	ા પ્રશંહત	BOL 0.05 BOL 0.05 BOL 0.05	ug/L ug/L ੁੰਤੂ: ug/L	33	
BLA02 BLA02 BLA02 BLA02 BLA02 BLA02	Q102032 Q102032 Q102032 Q102032		DELTA-BHC GAMMA-BHC ( HEPTACHLOR ALDRIN	EPOXIDE		misir i.	`	a secol	BOL 0.05 BOL 0.05 BOL 0.05 BOL 0.05	ug/L ug/L ug/L ug/L	3	
BLA02 BLA02	9102032 9102032 9102032 9102032 9102032		DELTA-BHC GAMMA-BHC ( HEPTACHLOR ALDRIN HEPTACHLOR	EPOXIDE	) ji dayan	misio i.	· 火 () 至	3. (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	BDL 0.05 BDL 0.05 BDL 0.05 BDL 0.05 BDL 0.05	ug/L ug/L ug/L ug/L ug/L ug/L	7.3°	

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ас Туре	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
BLA02	Q102032		ENDRIN			BDL 0.1	ug/L		
BLA02	Q102032	}	ENDOSULFAN II	<u> </u>	<u> </u>	BDL 0.1	Ug/L		1:
BLA02	Q102032		5,41-DDD			BDL 0.1	ug/L		
BLA02	Q102032		ENDOSULFAN SULFATE			BDL 0.1	ug/L		
BLA02	9102032		4,4'-DDT			BDL 0.1	ug/L		
BLA02	Q102032		METHOXYCHLOR			BDL 0.5	ug/L		<u> </u>
BLA02	9102032		ENDRIN ALDEHYDE			BDL 0.1	ug/L	***	
BLA02	Q102032		ENDRIN KETONE			BDL 0.1	ug/L	2925.70	
BLA02	Q102032		ALPHA-CHLORDANE			BOL 0.5	ug/L		
BLA02	Q102032		GAMMA-CHLORDANE			BDL 0.5	ug/L		1 1
BLAOZ	Q102032		TOXAPHENE			BDL 1	ug/L	/p	
BLA02	Q102032		PCB AROCLOR 1016			BDL 0.5		C III 195,	\$ <del>[_]</del> }:
BLA02	Q102032		PCB AROCLOR 1221			BDL 0.5	UB/L		
BLA02	Q102032		PCB AROCLOR 1232	•		BDL 0.5		机器物造物	T C
BLA02	Q102032		PCB AROCLOR 1242			BOL 0.5	ug/L		
BLA02	Q102032		PCB AROCLOR 1248	<u> </u>	ļ	BDL 0.5		\$ (0.00 kg	
BLA02	Q102032		PCB AROCLOR 1254			BDL 1	ug/L		
BLA02	Q102032		PCB AROCLOR 1260	1	ļ	BDL 1	ug/L		1
LCS .	Q10203Z	EMS	GAMMA-BHC (LINDANE)	0.5		0.412	na\r	82.4	
LC\$	Q102032	EMS	HEPTACHLOR	0.5		0.397	ug/L	79.4	
LCS	Q102032	EMS	ÄLDRIN	0.5		0.438	ug/L	87.6	
LCS	Q102032	EMS	DIELDRIN	1	<u> </u>	1.02	ug/L	102	
LCS	0102032	EMS	ENDRIN	1	5,44,544	1.09	ug/L	109	
LC2	Q102032	EMS	4,4'-DDT	1 37.6		0.959	ug/L	95.9	
SAMPLE	A495442		See Cert. of Analysis, Rep: 0						
SPI02	Q102032	A495442	GAMMA-BHC (LINDANE)	0	1.04	0.764	ug/L	73.5	1.
SPI02	Q10203Z	A495442	HEPTACHLOR	0	1.04	0.854	na\r	82.1	
SP102	Q102032	A495442	ALDRIN 2	0 1.	1.04	0.883	ug/L ~	84.9	
SP102	Q102032	A495442	DIELDRIN	0	2.08	2.02	ug/L	97.1	
SPI02	Q102032	A495442	ENDRIN ) เด็บประจำประจำประจำประวัติสาร์	10		2.04	ug/L	98.1	
SPI02	Q102032	A49544Z	4,4'-DDT	0	2.08	1.67	ug/L	80.3	
DPS02	Q102032	A495442	GAMMA-BHC (LINDANE)	.0	1.11	0.887	ug/L	79.9	8.3
DPS02	Q102032		HEPTACHLOR	0	1.11	0.916	ug/L	82.5	.5
DPS02	Q102032	A495442	ALDRIN	0	1.11	1.01	ug/L	91	6.9
DPS02	Q10203Z		DIELDRIN	0	2.72	2.4	na\r	108.1	10.7
DPS02	Q102032		ENDRIN	0	2.22	2.4	ug/L	108.1	9.7
DPS02	0102032		4,4/-DDT	0	2.22	2.1	ug/L	94.6	16.4
SAMPLE	A495440	1	See Cert. of Analysis, Rep: 0	ļ	.				_i_
SAMPLE	A495441		See Cert. of Analysis, Rep: 0						
SAMPLE	A495443		See Cert. of Analysis, Rep: 0					-	·
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
SAMPLE	A495445	i .	See Cert. of Analysis, Rep: 0	1	<u> </u>	1			
ccv	Q102321		ALPHA-BHC	20		19.6	ug/L	98	
CCA	Q102321		GAMMA-BHC (LINDANE)	20		18.3	ug/L 🔭	가 <b>91.</b> 5	
CCV	Q102321		HEPTACHLOR	20		19	Ug/L	95	
CCA	Q102321	L	ENDOSULFAN I	20		18.7	ug/L	93.5	
CCA	9102321		DIELDRIN	40		38.9	ug/L	97.3	
CCA	Q102321		ENDRIN	40 .i-		37.4	ug/L	93.5	
CCA	0102321		4,41-00D	40		36.2	ug/L	90.5	
CCV	Q102321		4,4'-DDT	40		36.4	ug/L	91	
CCV	Q102321		METHOXYCHLOR	200		187	ug/L	93.5	

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Run: R37 PREP	8798	Analyst.:   Reviewer: (		Run Date: 23-SE Review Date: 24-SE					14. 2	
C Type	Lab ID	Source	Anat Run							
BLA02	Q102167	HLI	R378800							······································
.cs	Q102168·	HLI	R378800					• •	1.0 (2)	
SP102	Q101408	A493383	R377637							
PS02	Q101408	A493383	R377637							٠.,
MPLE	A495440	Rep; 0	R378844							
AMPLE	A495441	Rep: 0	R378844					ž4. g.	Far Fil	
AMPLE	A495442	Rep: 0	R378844							
SAMPLE	A495443	Rep: 0	R378844	·					WTT THE BETT	, :- <sup>f</sup> g
Run: R37 PREP	<b>19201</b>	Analyst.: Reviewer:		Run Date: 30-SE Review Date: 01-00					7650X <b>3</b>	
BLA02	0102398	HL1	R379301							
SAMPLE	A495444	Rep: 0	R379301							
SAMPLE	A495445	Rep: 0	R379301							
LCS	Q102398	HLI	R379301						in ter	
Run: R37		Analyst.: Reviewer:	L DOBBINS A BRADBURN	Run Date: 01-SE Review Date: 02-SE		nstrument:	GC/MS SVOA			
QC Type	Lab ID	Source	Parameter	THE WHEN THE THE PARTY OF THE P	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
SPI02	0101408	A493383	Date and time		02-SEP-99	01:03:00				
SP102	9101408	A493383	ACENAPHTHENE		0	200	<b>194</b>	ug/L	97.2	
P102	Q101408	A493383	ACENAPHTHYLEN	E	0	200	177	ug/L	88.5	
SP102	<b>Q101408</b>	A493383	ANTHRACENE		0	200	180	ug/L	90.3	
SPIOZ	Q101408	A493383	BENZO(A)PYREN		0	200	198	ug/L	99,2	
SPI02	Q101408	A493383	BENZO(B)FLUO	RANTHENE (3,4-BENZOFLUO	0: 27	200	210	ug/L	105.1	
SPI02	Q101408	A493383	BENZO(G,H,1)F		0	200	185	ug/L	92.9	
SPI02	Q101408	A493383	BENZO(K)FLUO	RANTHENE	0	200	198	ug/L	99.2	
SP102	9101408	A493383	BENZYL ALCOHO	<u>)</u>	0	200	180	ug/L	90.3	
SPI02	Q101408	A493383	BENZYLBUTYLPI	THALATE (BUTYLBENZYLPH	0 ***	200	219	ug/L	109.8	
SP102	Q101408	A493383	BIS(2-CHLORO	THOXY)METHANE	0	200	190	ug/L	95.4	
SPI02	Q101408	A493383	BIS(2-CHLOROE	THYL)ETHER	0	200	174	ug/L	87.2	***
SPI02	Q101408	A493383		(SOPROPYL)ETHER	0	200	161	ug/L	80.6	
SP102	Q101408	A493383	BIS(2-ETHYLH	XYL)PHTHALATE	0	200	221	ug/L	110.7	
SPI02	Q101408	A493383	4-BROMOD I PHE	NYL ETHER	0	200	181	ug/L	90.5	
SPI02	Q101408	A493383	CARBAZOLE		0	200	203	ug/L	101.7	
SPIO2	9101408	A493383	4-CHLOROANIL	INE	0	200	164	ug/L	82.1	
SP102	Q101408	A493383	2-CHLORONAPH		0	200	129	ug/L	65	
SP102	Q101408	A493383	4-CHLOROPHEN	YL-PHENYLETHER	0	200	163	ug/L	81.8	
SPIO2	Q101408	A493383	CHRYSENE	• ,	0	200	207		103.7	.,
SPI02	Q101408	A493383	DIBENZ(A,H)A	NTHRACENE	0	200	185	Ug/L	92.5	
SP102	Q101408	A493383	DIBENZOFURAN		0	200	171	ug/L	85.5	
SPI02	Q101408	A493383	1,2-DICHLORO	BENZENE (O-DICHLOROBENZ	0	200	159	UB/L	79.6	
SPI02	9101408	A493383		BENZENE (M-DICHLOROBENZ		200	167	ug/L	83.6	2
SP102	0101408			BENZENE (P-DICHLOROBENZ	•	200	167	ug/L	83.6	ļ-
SP102	9101408	A493383	3,3'-DICHLOR	***************************************	0	200	151	ug/L	75.7	
SPI02	9101408	A493383	DIETHYLPHTHA		0	200	198	ug/L	99.2	
SP102	Q101408	A493383	DIMETHYLPHTH		0	200	207	ug/L	103.9	****
SPI02	9101408	A493383	DI-M-BUTYLPH		0	200	193	Ug/L	96.7	
SPI02	Q101408	A493383	2,4-DINITROT	• • • • • • • • • • • • • • • • • • • •	0	200	180	ug/L	90.5	
- · <del>-</del>	• • • • • • • • • • • • • • • • • • •				1	ļ. <del></del>				
SPI 02	9101408	A493383	2,6-DINITROT	OLUENE	0	200	210	ug/L	105.2	

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SP102	Q101408	A493383	FLUORANTHENE	0	200	182	ug/L	91.4	
SP102	Q101408	A493383	FLUORENE	0	200	169	ug/L 🚊	84.7	1.2
SPI02	Q101408	A493383	HEXACHLOROBENZENE	0	200	179	Ug/L	89.9	
SPI02	Q101408	A493383	HEXACHLOROBUTAD I ENE	0	200	173	ug/L	86.8	
SPI02	Q101408	A493383	HEXACHLOROCYCLOPENTADIENE	0	200	146	ug/L	73.2	
SPI02	Q101408	A493383	HEXACHLOROETHANE	0	200	172	ug/L	86	.54
SPI02	9101408	A493383	INDENO(1,2,3-CD)PYRENE	0	200	189	ug/L	94.8	
SP102	Q101408	A493383	ISOPHORONE	0	200	186	ug/L	93.4	
SP102	Q101408	A493383	2-METHYLNAPHTHALENE	0	200	180	ug/L	90	
SP102	Q101408 ·	A493383	NAPHTHALENE	0	200	180	ug/L	90.2	
SPI02	Q101408	A493383	2-NITROANILINE (O-NITROANILINE)	0	200	206	ug/L	103.4	
SP102	Q101408	A493383	3-NITROANILINE (M-NITROANILINE)	0	200	208	ug/L <sup>2000</sup>	104.1	
SP102	Q101408	A493383	4-NITROANILINE (P-NITROANILINE)	0	200	202	UB/L	101.4	
SP102	Q101408	A493383	NITROBENZENE	0	200	191	ug/L	95.6	5.
SP102	9101408	A493383	N-NITROSODIPHENYLAMINE	0	200	314	ug/L	157.1	
SP102	<b>Q101408</b>	A493383	N-NITROSO-DI-N-PROPYLAMINE	0	200	191	ug/L	95.7	Tr.
SP102	9101408	A493383	PHENANTHRENE	0	200	188	ug/L	94.5	
SP102	Q101408	A493383	2-PICOLINE	0	200	120	ug/L	60.5	-
SPI02	Q101408	A493383	PYRENE	0	200	228	ug/L	114.2	
SPI02	Q101408	A493383	PYRIDINE	0	200	108	ug/L	54.2	1
SPI02	Q101408	A493383	1,2,4,5-TETRACHLOROBENZENE	0	200	213	ug/L	106.6	
SPI02	Q101408	A493383	1,2,4-TRICHLOROBENZENE	0	200	177	ug/L	88.9	
SP102	9101408	A493383	BENZOIC ACID	0	200	101	ug/L	50.5	
SPI02	Q101408	A493383	4-CHLORO-3-METHYLPHENOL (P-CHLORO-M	0	200	197	ug/L	98.6	1
SPI02	9101408	A493383	2-CHLOROPHENOL	0	200	171	ug/L	85.6	
SPI02	Q101408	A493383	2,4-DICHLOROPHENOL	0	200	194	ug/L	97.4	
SPI02	Q101408	A493383	2,4-DIMETHYLPHENOL	1	200	145	ug/L	72.6	
SPI02	Q101408	A493383	2,4-DINITROPHENOL	0.	200	216	ug/L	108.1	
SP102	Q101408	A493383	2-METHYLPHENOL (O-CRESOL)	0	200	176	ug/L	88	
SPI02	Q101408	A493383	4-METHYLPHENOL (P-CRESOL)	0 3 3	200	±197	ug/L	98.8	1
SP102	0101408	A493383	2-NITROPHENOL	0	200	202	ug/L	101	
SPI02	9101408	A493383	4-NITROPHENOL	0 20	200	. £141	ug/L	70.7	
SPI02	Q101408	A493383	PENTACHLOROPHENOL	0	200	168	ug/L	84	
SPI02	Q101408	A493383	PHENOL	0	200	130	ug/L ··	65.1	
SPI02	Q101408	A493383	2,3,4,6-TETRACHLOROPHENOL	0	200	193	ug/L	96.8	
SP102	Q101408	A493383	2,4,5-TRICHLOROPHENOL	0	200	202	ug/L	101.4	
SPI02	Q101408	A493383	2,4,6-TRICHLOROPHENOL	0	200	202	ug/L	101.4	
DPS02	Q101408	A493383	Date and time of analysis	02-SEP-99	01:50:00	; .		1. 12	1-
DPS02	9101408	A493383	ACENAPHTHENE	0	200	190	ug/L	95.1	2.2
DPS02	Q101408	A493383	ACENAPHTHYLENE	0	200	170	ug/L	85.2	3.8
DPS02	9101408	A493383	ANTHRACENE	0	200	176	ug/L	88.3	2.2
DPS02	Q101408	A493383	BENZO(A)PYRENE	0	200	194	ug/L	97.4	1.8
DPS02	Q101408	A493383	BENZO(8) FLUORANTHENE (3,4-BENZOFLUO	<b>0</b>	200	207	ug/L	103.6	1.4
DPS02	Q101408	A493383	BENZO(G,H,I)PERYLENE	0	200	174	ug/L************************************		6.1
DPS02	Q101408	A493383	BENZO(K) FLUCRANTHENE	0 .	200	195	ug/L	97.5	1.7
DPS02	9101408	A493383	BENZYL ALCOHOL	0	200	170	ug/L	85.3	5.7
DPS02	9101408		BENZYLBUTYLPHTHALATE (BUTYLBENZYLPH	10	200	206	ug/L	103.3	6.1
DPS02	Q101408	A493383	BIS(2-CHLOROETHOXY)METHANE	0	200 🛒		ug/L :52		5.8
DPS02	9101408	A493383	BIS(2-CHLOROETHYL)ETHER	0	200	164	ug/L	82.4	5.7
DPS02	<b>Q101408</b>		BIS(2-CHLOROISOPROPYL)ETHER	0	200	142	ug/L	71.1	12.5
DPS02	Q101408	A493383	BIS(2-ETHYLHEXYL)PHTHALATE	0	200	208	ug/L	104.4	5.9
DPS02	Q101408	··· <b>†</b> ······	4-BROMODIPHENYL ETHER	0	200	178	ug/L	- 89	1.7
DPS02	Q101408		CARBAZOLE	0	200	210	ug/L	105.4	3.6
DPS02	Q101408		4-CHLOROANILINE	0	200	149	ug/L	***	

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
DPS02	9101408	A493383	2-CHLORONAPHTHALENE	0	200	216	ug/L	108.3	50
DPS02	Q101408	A493383	4-CHLOROPHENYL-PHENYLETHER	0	200	159	ug/L	79.9	2.4
DPSOZ	Q101408	A493383	CHRYSENE	0	200	198	ug/L	99.1	4.5
DPS02	Q101408	A493383	DIBENZ(A,H)ANTHRACENE	0	200	177	ug/L	89	3.9
DPS02	Q101408	A493383	DIBENZOFURAN	0	200	164	ug/L	82.2	3.9
DPS02	Q101408	A493383	1,2-DICHLOROBENZENE (O-DICHLOROBENZ	0	200	133	ug/L	66.9	17.3
DPS02	9101408	A493383	1,3-DICHLOROBENZENE (M-DICHLOROBENZ	0	200	146	ug/L	73.2	13.3
DPS02	Q101408	A493383	1,4-DICHLOROBENZENE (P-DICHLOROBENZ	0	200	147	ug/L	73.9	12.3
DPS02	Q101408	A493383	3,3/-DICHLOROBENZIDINE	0	200	177	ug/L	88.7	15.8
DPS02	Q101408	A493383	DIETHYLPHTHALATE	0	200	192	ug/L	96.4	2.9
DPS02	0101408	A493383	DIMETHYLPHTHALATE	0	200	202	ug/L	101	2.8
DPS02	Q101408	A493383	DI-N-BUTYLPHTHALATE	0	200	190	ug/L	95.1	1.7
DPS02	9101408	A493383	2,4-DIN1TROTOLUENE	0	200	176	ug/L	88.5	2.2
DPS02	Q101408	A493383	2,6-DINITROTOLUENE	0	200	204	ug/L	102.4	2.7
DPS02	9101408	A493383	DI-N-OCTYLPHTHALATE	0	200	250	ug/L	125.5	-6
DPS02	9101408	A493383	FLUORANTHENE	0	200	182	ug/L	91.1	.3
DPS02	9101408	A493383	FLUORENE	0	200	164	ug/L	82.1	3.1
DPS02	Q101408	A493383	HEXACHLOROBENZENE	0	200	176	ug/L	88.2	1.9
DPS02	Q101408	A493383	HEXACHLOROBUTAD LENE	0	200	153	ug/L	76.7	12.4
DPS02	Q101408	A493383	HEXACHLOROCYCLOPENTAD I ENE	0	200	132	ug/L	66.2	10
DPS02	Q101408	A493383	HEXACHLOROETHANE	0	200	144	ug/L	72	17.7
DPS02	Q101408	A493383	INDENO(1,2,3-CD)PYRENE	0	200	182	ug/L	91.2	3.9
DPS02	0101408	A493383	ISOPHORONE	0	200	180	ug/L	90.1	3.6
DPS02	Q101408	A493383	2-METHYLNAPHTHALENE	0	200	165	ug/L	82.8	8.3
DPS02	Q101408	A493383	NAPHTHALENE	0	200	166	ug/L	83.4	7.8
DPS02	Q101408	A493383	2-NITROANILINE (O-NITROANILINE)	0	200	197	ug/L	98.7	4.7
DPS02	0101408	A493383	3-NITROANILINE (M-NITROANILINE)	0	200	197	ug/L	98.6	5.4
DPS02	Q101408	A493383	4-NITROANILINE (P-NITROANILINE)	0	200	203	ug/L	101.7	.3
DPS02	Q101408	A493383	NITROBENZENE	0	200	179	ug/L	89.5	6.6
DPS02	Q101408	A493383	N-NITROSODIPHENYLAMINE # 1848 4 4 4	0	200	307	ug/L	153.9	2.1
DPS02	9101408	A493383	N-NITROSO-DI-N-PROPYLAMINE	0	200	174	ug/L	87.2	9.3
DPS02	9101408	A493383	PHENANTHRENE	: 0	200	186	ug/L	93.4	1.2
DPS02	9101408	A493383	2-PICOLINE	0	500	77.3	ug/L	38.6	44.2
DPS02	Q101408	A493383	PYRENE	0	200	204	ug/L	102.3	11
DPS02	Q101408	A493383	PYRIDINE	0	200	67.7	ug/L	33.9	46.1
DPS02	Q101408	A493383	1,2,4,5-TETRACHLOROBENZENE	0	200	205	ug/L	103	3.4
DPS02	9101408		1,2,4-TRICHLOROBENZENE	0	200	160	ug/L	80.2	10.3
DPS02	9101408		BENZOIC ACID	0	200	70.7	ug/L	35.4	35.2
DPS02	9101408		4-CHLORO-3-METHYLPHENOL (P-CHLORO-M		200	183	ug/L	91.6	7.4
DPS02	Q101408	A493383	2-CHLOROPHENOL	0	200	160	ug/L	80.4	6.3
DPS02	Q101408		2,4-D1CHLOROPHENOL	o o	200	184	ug/L	92.2	5.5
DPS02	Q101408		2,4-DIMETHYLPHENOL	0	200	142	ug/L	71.2	1.9
DPSOZ	Q101408		2,4-DINITROPHENOL	0	200	210	ug/L	105.3	2.6
DPS02	Q101408		2-METHYLPHENOL (O-CRESOL)	0	200	160	ug/L	80.4	9
DPS02	B101408		4-METHYLPHENOL (P-CRESOL)	0	200	175	ug/L	88	11.6
DPS02	9101408		2-NITROPHENOL	0	200	188	ug/L	94.4	6.8
DPS02	0101408		4-NITROPHENOL	0	200	136	ug/L	68.1	3.7
DPS02	Q101408		PENTACHLOROPHENOL	0	200	167	ug/L	83.6	.5
DPS02	9101408		PHENOL	0	200	118	ug/L	59.2	9.5
DPS02	Q101408		2,3,4,6-TETRACHLOROPHENOL	0	200	186	ug/L	93	4
DPS02	9101408		2,4,5-TRICHLOROPHENOL	0		197		98.6	
					200		ug/L		2.8
DPS02	Q101408	A493383	2,4,6-TRICHLOROPHENOL	0	200	194	ug/L	97.2	4.2

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C Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
LA02	Q102167	I	Date and time of analysis	23-SEP-99	16:53:00				
LA02	Q102167	HLI	ACENAPHTHENE			BDL 10	ug/L		1
LA02	Q102167	HLI	ACENAPHTHYLENE			BDL 10	ug/L		
LA02	Q102167	HLI	ANTHRACENE			BDL 10	ug/L		1
LA02	9102167	HLI	BENZO(A)PYRENE			BDL 10	ug/L		
LA02	Q102167	HLI	BENZO(B)FLUORANTHENE (3,4-BENZOFLUOR			BDL 10	ug/L	:	
LA02	9102167	HLI	BENZO(G,H,I)PERYLENE			BDL 10	ug/L		1
LA02	Q102167	HLI	BENZO(K)FLUORANTHENE			BDL 10	ug/L		
LA02	Q102167	HLI	BENZYL ALCOHOL			BDL 10	ug/L		
BLA02	Q102167	HLI	BENZYLBUTYLPHTHALATE (BUTYLBENZYLPHT			BDL 10	ug/L	1 12	1-
BLA02	Q102167	HLI	BIS(2-CHLOROETHOXY)METHANE			BDL 10	ug/L		
BLA02	Q102167	HLI	BIS(2-CHLOROETHYL)ETHER			BDL 10	ug/L	यह क्षेत्र है है	
BLA02	9102167	HLI	BIS(Z-CHLOROISOPROPYL)ETHER			BDL 10	ug/L		
BLA02	Q102167	HLI	BIS(2-ETHYLHEXYL)PHTHALATE			BDL 10	ug/L	the Marian	1
BLA02	Q102167	HL1	4-BROMODIPHENYL ETHER			BDL 10	ug/L		4
BLA02	Q102167	HLI	CARBAZOLE			BDL 10	ug/L		
BLA02	Q102167	HLI	4-CHLOROANILINE			BDL 10	ug/L		
BLA02	Q102167	HLI	2-CHLORONAPHTHALENE			BDL 10	ug/L		
BLA02	Q102167	HLI	4-CHLOROPHENYL-PHENYLETHER			BDL 10	ug/L		
BLA02	Q102167	HLI	CHRYSENE			BDL 10	ug/L		1
BLA02	9102167	HLI	DIBENZ(A,H)ANTHRACENE			BDL 10	ug/L		
BLA02	Q102167	HLI	DIBENZOFURAN			BDL 10	ug/L		1
BLA02	Q102167	HLI	1,2-DICHLOROBENZENE (O-DICHLOROBENZ			BOL 10	ug/L		
BLA02	Q102167	HLI	1,3-DICHLOROBENZENE (M-DICHLOROBENZ	<b>E</b>		BDL 10	ug/L		
BLAOZ	Q102167	HLI	1,4-DICHLOROBENZENE (P-DICHLOROBENZ	<b> </b>		BDL 10	ug/L		
BLA02	Q102167	HLI	3,3'-DICHLOROBENZIDINE			BDL 20	ug/L		
BLA02	Q102167	HLI	DIETHYLPHTHALATE			BOL 10	ug/L		
BLA02	Q102167	HLI	DIMETHYLPHTHALATE		.*	BDL 10	ug/L		1
BLA02	9102167	HLI	DI-N-BUTYLPHTHALATE			BDL 10	ug/L		
BLA02	Q102167	HLI	2,4-DINITROTOLUENE		1	BDL 10	ug/L		
BLA02	Q102167	HLI	2,6-DINITROTOLUENE			BDL 10	ug/L		
BLA02	Q102167	HLI	DI-N-OCTYLPHTHALATE			BDL 10	ug/L		
BLA02	Q102167	HLI	FLUORANTHENE			BDL 10	ug/L		
BLA02	Q102167	HLI	FLUORENE			BDL 10	ug/L		T
BLA02	Q102167	HLI	HEXACHLOROBENZENE			BDL 10	ug/L		
BLA02	Q102167	HLI	HEXACHLOROBUTAD I ENE			BDL 10	ug/L		
BLA02	9102167	. 1	HEXACHLOROCYCLOPENTAD I ENE			BDL 10	ug/L		
BLA02	Q102167	HLI	HEXACHLOROETHANE			BDL 10	ug/L		
BLA02	Q102167	HLI	INDENO(1,2,3-CD)PYRENE			BDL 10	ug/L		
BLA02	Q102167	HLI	ISOPHORONE			BDL 10	ug/L		
BLAOZ	Q102167	HLI	2-METHYLNAPHTHALENE			BDL 10	ug/L		
BLA02	Q102167	HLI	NAPHTHALENE			BDL 10	ug/L	F (64 )	1
BLA02	Q102167	HLI	2-NITROANILINE (O-NITROANILINE)			BDL 50	ug/L		
BLA02	Q102167	HLI	3-NITROANILINE (M-NITROANILINE)	· · · · · · · · · · · · · · · · · · ·		BDL 50	ug/L		
BLA02	9102167	•	4-NITROANILINE (P-NITROANILINE)			BDL 50	ug/L		
BLA02	Q102167		NITROBENZENE			BDL 10	ug/L	31 11. 3	1
BLA02	Q102167		N-NITROSODIPHENYLAMINE			BOL 10	ug/L		
BLA02	Q102167		N-NITROSO-DI-N-PROPYLAMINE			BDL 10	ug/L		******
BLA02	9102167		PHENANTHRENE			BDL 10	ug/L		
BLA02	Q102167		2-PICOLINE			BDL 50	ug/L	:	. [
BLA02	Q102167		PYRENE			BDL 10	ug/L		
BLA02	Q102167		PYRIDINE			BDL 50	ug/L	us is L	andrilli es

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
LA02	Q102167	HLI	1,2,4,5-TETRACHLOROBENZENE			BDL 10	ug/L		
LA02	Q102167	HLI	1,2,4-TRICHLOROBENZENE			BDL 10	ug/L	2	
LAOZ	Q102167	HLI	BENZOIC ACID			BOL 50	ug/L		
BLA02	Q102167	HLI	4-CHLORO-3-METHYLPHENOL (P-CHLORO-M-			BDL 10	ug/L		
BLA02	Q102167	HLI	2-CHLOROPHENOL	.,,		BDL 10	ug/L		
BLA02	Q102167	HLI	2,4-DICHLOROPHENOL	·····	1	BDL 10	ug/L	Dec . •	1
BLA02	9102167	HLI	2,4-DIMETHYLPHENOL			BDL 10	ug/L		
BLA02	Q102167	HLI	2,4-DINITROPHENOL			BDL 50	ug/L	1971	1:5
BLA02	Q102167	HL1	2-METHYLPHENOL (O-CRESOL)			BOL 10	ug/L		
BLA02	Q102167	HLI	4-METHYLPHENOL (P-CRESOL)			BDL 10	ug/L	-	7
BLAOZ	0102167	HLI	2-NITROPHENOL			BOL 10	ug/L		
BLA02	Q102167	HLI	4-NITROPHENOL			BDL 50	ug/L	16. 24 TC	
BLAO2	Q102167	HL1	PENTACHLOROPHENOL			BDL 50	ug/L		
BLA02	Q102167	HLI	PHENOL			BDL 10		and the second	32
BLA02	9102167	HLI	2,3,4,6-TETRACHLOROPHENOL			BOL 10	ug/L	ar mr. 3	
	Q102167				-	BDL 50		Te (50) 67	i e
BLA02		HLI	2,4,5-TRICHLOROPHENOL			BDL 10		23	• =
BLA02	Q102167	HLI	2,4,6-TRICHLOROPHENOL			OUL IU	ug/L	4.0	1
BLA02	9102167	HLI	2-FLUOROPHENOL			]		61	1
BLA02	9102167	HLI	PHENOL-D5					44	1
BLA02	Q102167	HLI	NITROBENZENE-D5		ļ	1		93	4
BLA02	Q102167	HLI	2-FLUOROBIPHENYL					88	
BLA02	Q102167	HLI	2,4,6-TRIBROMOPHENOL				,	78	
BLA02	9102167	HUI	TERPHENYL-D14					104	
LCS	Q102168	HLI	Date and time of analysis	23-SEP-99	17:44:00				
LCS	Q102168	HLI	ACENAPHTHENE	100		85.3	ug/L	85.3	
LCS	Q102168	HLI	ACENAPHTHYLENE	100	e e e e e e e e e e e e e e e e e e e	74.9	ug/L	74.9	
LCS	Q102168	HLI	ANTHRACENE	100		82.6	ug/L	82.6	
LCS	Q102168	HLI	BENZO(A)PYRENE	100	1 somet	90.7	ug/L ~	90.7	'
LCS	Q102168	HLI	BENZO(B) FLUORANTHENE (3,4-BENZOFLUOR	100		96.3	ug/L	96.3	
LCS	Q102168	HLI	BENZO(G,H,I)PERYLENE ニージュンション	100	10-10 - 10-24	79,3	ug/L	79.3	
LCS	9102168	HLI	BENZO(K) FLUORANTHENE	100		91.5	ug/L	91.5	
LCS	Q102168	HLI	BENZYL ALCOHOL	100	77.85	-77	ug/L	77	
LCS	9102168	HLI	BENZYLBUTYLPHTHALATE (BUTYLBENZYLPH			99.1	ug/L	99.1	
LCS	Q102168	HLI	BIS(2-CHLOROETHOXY)METHANE	100		85.9	ug/L	85.9	
LCS	9102168	HLI	BIS(2-CHLOROETHYL)ETHER	100		76.2	ug/L	76.2	
LCS	Q102168	HLI	BIS(2-CHLOROISOPROPYL)ETHER	100		81.5	ug/L	81.5	1
LCS	Q102168		BIS(2-ETHYLHEXYL)PHTHALATE	100		95.6	ug/L	95.6	
LCS	Q102168		4-BROMODIPHENYL ETHER	100		79.1	ug/L	79.1	
LCS	9102168		CARBAZOLE	100		103	ug/L	103	
LCS	Q102168		4-CHLOROANILINE	100		153	ug/L	153	
LCS	9102168		2-CHLORONAPHTHALENE	100		92.6	ug/L	92.6	
	Q102168		4-CHLOROPHENYL-PHENYLETHER						
LCS				100		79.9	ug/L	79.9	
LCS	9102168		CHRYSENE	100		90.5	na\r	90.5	
LCS	Q102168		DIBENZ(A,H)ANTHRACENE	100		80.4		∯ <b>~ 80.4</b>	
LCS	P102168		DIBENZOFURAN	100		84.4	ug/L	84.4	
LCS	Q102168	🏿	1,2-DICHLOROBENZENE (O-DICHLOROBENZ			65.8	ug/L	65.8	
LCS	9102168		1,3-DICHLOROBENZENE (M-DICHLOROBENZ			64.9	ug/L	64.9	
LCS	Q102168		1,4-DICHLOROBENZENE (P-DICHLOROBENZ		V 122	66.5	ug/L	66.5	,
LCS	Q102168		3,3'-DICHLOROBENZIDINE	100		159	ug/L	159.1	
LCS	Q102168	HLI	DIETHYLPHTHALATE	100	1	88.4	ug/L	88.4	
LCS	0102168	HLI	DIMETHYLPHTHALATE	100		89.9	ug/L	89.9	
LCS	Q102168	HLI	DI-N-BUTYLPHTHALATE	100		86.6	ug/L	<b>86.6</b>	
LCS	Q102168	HL1	2,4-DINITROTOLUENE	100		96.9	ug/L	96.9	
LCS	Q102168		2,6-DINITROTOLUENE	100	1.:	92.5	ug/L	92.5	12

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LCS	9102168	HL1	D1-N-OCTYLPHTHALATE	100		115	ug/L	115.9	
LCS	Q102168	HLI .	FLUORANTHENE	100		81.2	ug/L	81.2	
LCS	Q102168	HLI	FLUORENE	100		82.7	ug/L	82.7	
LCS	Q102168	HLI	HEXACHLOROBENZENE	100		81.2	ug/L	81.2	
LCS	Q102168	HLI	HEXACHLOROBUTAD1ENE	100		70.1	ug/L	70.1	
LCS	<b>9102168</b>	HLI	HEXACHLOROCYCLOPENTAD I ENE	100		51.4	ug/L	51.4	
LCS	9102168	HLI	HEXACHLOROETHANE	100		67.4	ug/L	67.4	
LCS	Q102168	HLI	INDENO(1,2,3-CD)PYRENE	100		82.6	ug/L	82.6	1.5
LCS	9102168	HLI	1 SOPHORONE	100		84.8	ug/L	84.8	
LCS	Q102168	HLI	2-METHYLNAPHTHALENE	100		79.7	ug/L	79.7	3.5
LCS	Q102168	HLI	NAPHTHALENE	100		76.1	ug/L	76.1	
LCS	Q102168	HLI	2-NITROANILINE (O-NITROANILINE)	100		99.7	ug/L		-
LCS	Q102168	HLI	3-NITROANILINE (M-NITROANILINE)	100		122	ug/L	122.8	
LCS	Q102168	HLI	4-NITROANILINE (P-NITROANILINE)	100		105	ug/L 🦸	105.3	
LCS	Q102168	HLI	NITROBENZENE	100		84.4	ug/L	84.4	
LCS	Q102168	HLI	N-NITROSODIPHENYLAMINE	100		73.5	ug/L	73.5	15
LCS	Q102168	HL1	N-NITROSO-DI-N-PROPYLAMINE	100		71.6	ug/L	71.6	
LCS	Q102168	HLI	PHENANTHRENE	100		87.1	ug/L	87.1	1.
LCS	Q102168	HLI	2-PICOLINE	100		31.2	ug/L	31.2	
LCS	Q102168	HLI	PYRENE	100		97.1	ug/L	98	
LCS	Q102168	HLI	PYRIDINE	100		28.2	ug/L	28.2	
LCS	Q102168	HLI	1,2,4,5-TETRACHLOROBENZENE	100		86.1	ug/L	86.1	1.
LCS	9102168	HLI	1,2,4-TRICHLOROBENZENE	100		74.4	ug/L	74.4	
LCS	Q102168	HLI	BENZOIC ACID	100	- 40°-	15.1	ug/L	15.1	
LCS	Q102168	HLI	4-CHLORO-3-METHYLPHENOL (P-CHLORO-M	100	. ]	87.5	ug/L	87.5	
LCS	Q102168	HLI	2-CHLOROPHENOL	100		74.1	ug/L	74.1	
LCS	0102168	HLI	2,4-DICHLOROPHENOL	100		84.5	ug/L	84.5	
LCS	Q102168	HLI	2,4-DIMETHYLPHENOL	100		76.2	ug/L *	76.2	
LCS	Q102168	HLI	2,4-DINITROPHENOL	100		71.6	ug/L	71.6	
LCS	Q102168	HLI	2-METHYLPHENOL (O-CRESOL)	100		72.7	ug/L	72.7	
LCS	9102168	HLI	4-METHYLPHENOL (P-CRESOL)	100		64.6	ug/L	64.6	
LCS	Q102168	HLI	2-NITROPHENOL	100		84.3	ug/L	84.3	
LCS	9102168	HL1	4-NITROPHENOL	100		50.1	ug/L	50.1	
LCS	Q102168	HLI	PENTACHLOROPHENOL	100		76.1	ug/L	76.1	
rcs	0102168	HLI	PHENOL	100		43.4	ug/L	43.4	
LCS	Q102168	HLI	2.3.4.6-TETRACHLOROPHENOL	100		82.6	ug/L	82.6	
LCS	9102168	HL1	2,4,5-TRICHLOROPHENOL	100		85.8	ug/L	85.8	
LCS	Q102168	HLI	2,4,6-TRICHLOROPHENOL	100		83		83	
Run: R37	<u> </u>				•	1	ug/L	.;:1	
ANALYTIC	CAL	Reviewer:	L DOBBINS Run Date: 24-S A BRADBURN Review Date: 27-S	EP-99		GC/MS SVOA		;	
CAL01	Q102206		Date and time of analysis	24-SEP-99	12:20:00				
CAL01	Q102206		PYRIDINE	1.0904					7.3
CALO1	0102206		2-PICOLINE	0.9324					5.6
CAL01	Q102206		PHENOL	1.4854			ಿ7)∺≀	is year to	
CAL-01	Q102206		BIS(2-CHLOROETHYL)ETHER	1.2772	1				16.6
CAL01	Q102206		2-CHLOROPHENOL	1.1264					11.4
CALO1	9102206		1,3-DICHLOROBENZENE (M-DICHLOROBENZ						13.3
CAL01	Q102206		1,4-DICHLOROBENZENE (P-DICHLOROBENZ				1. 53:	1.1.3	15.5
CALO1	0102206		1,2-DICHLOROBENZENE (O-DICHLOROBENZ	E 1.0953					19.9
CAL01	Q102206		BENZYL ALCOHOL	0.6764		1			8.6
	Q102206		2-METHYLPHENOL (O-CRESOL)	0.9455					12.6
CALO1				1	1	1		- 1	8.3
CALO1	Q102206		BIS(2-CHLOROISOPROPYL)ETHER	2.6930			many to gr	هُوم ] س	. 10.5
• • • • • • • • • • • • • • • • • • • •	9102206 9102206	<b>.</b>	BIS(2-CHLOROISOPROPYL)ETHER N-NITROSO-DI-N-PROPYLAMINE	1.0794			e-miny to gr	Cap	7.2

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
CALO1	Q102206		HEXACHLOROETHANE	0.5894					11.7
CAL01	Q102206		NITROBENZENE	0.3640				-	6.6
CALO1	Q102206		I SOPHORONE 2-NATRODHENOL	0.7267 0.2020					3.7
CALO1	Q102206		2-NITROPHENOL 2,4-DIMETHYLPHENOL	0.3131					6 7.1
CALO1	9102206		BIS(2-CHLOROETHOXY)METHANE	0.4787					10.3
CALO1	9102206		Z.4-DICHLOROPHENOL	0.4707					13.6
CALO1	Q102206		BENZOIC ACID	0.2317			-		16.8
CALOT	Q102206		1.2.4-TRICHLOROBENZENE	0.3063					14.4
CALO1	9102206		NAPHTHALENE	0.8749					16.2
CALO1	Q102206		4-CHLOROANILINE	0.3600					19
CALO1	9102206		HEXACHLOROBUTADIENE	0.1844					14.4
CALO1	Q102206		4-CHLORO-3-METHYLPHENOL (P-CHLORO-M-	0.2955					7.6
CALO1	9102206		2-METHYLNAPHTHALENE	0.5386			£.	1 an 1	16.5
CALO1	Q102206		HEXACHLOROCYCLOPENTADIENE	0.2163			F	7	25.2
CALO1	Q102206		1,2,4,5-TETRACHLOROBENZENE	0.4933			F-5-75	)	16.2
CALO1	9102206		12,4,6-TRICHLOROPHENOL	0.3697			* /1.	, .	8.9
CALO1	Q102206		2,4,5-TRICHLOROPHENOL	0.3913					8.4
CALO1	0102206		2-NITROANILINE (O-NITROANILINE)	0.4252					5.8
CALO1	9102206		DIMETHYLPHTHALATE	1.1972					10.8
CALO1	Q102206		2.6-DINITROTOLUENE	0.3314					5.9
CALO1	Q102206		ACENAPHTHYLENE	1.6068					13.2
CALO1	0102206	1	3-NITROANILINE (M-NITROANILINE)	0.3400					8.6
CALO1	9102206		ACENAPHTHENE	0.9553				****	16
CALO1	0102206		2.4-DINITROPHENOL	0.2202					8
CALO1	Q102206		4-NITROPHENOL	0.1167					8.3
CALO1	Q102206		2,4-DINITROTOLUENE	0.3912					6.9
CALO1	9102206		2,3,4,6-TETRACHLOROPHENOL	0.3379	•				6.3
CALO1	Q102206		DIETHYLPHTHALATE	1.2665		3 1 10 4			11.2
CALO1	Q102206		FLUORENE 27 was a second and a second	-1:0263	نت. ۲				20.6
CALO1	9102206		4-CHLOROPHENYL-PHENYLETHER	0.5165		*** %			19.9
CALO1	9102206		4-NITROANILINE (P-NITROANILINE)	0.3819					5.3
CALO1	0102206		N-NITROSODIPHENYLAMINE	0.3978					11.7
CAL01	9102206		4-BROMODIPHENYL ETHER	0.1543					17.6
CALO1	0102206		HEXACHLOROBENZENE	0,2202					0
CAL01	9102206		PENTACHLOROPHENOL	0.1335					2.2
CALO1	Q102206		PHENANTHRENE	0.8470					13.6
CAL01	Q102206		ANTHRACENE	0.8740					12.6
CALO1	9102206	1	CARBAZOLE	0.7276					15.2
CAL01	9102206		DI-N-BUTYLPHTHALATE	1.2131			-		11.5
CALO1	Q102206		FLUORANTHENE	0.8863					9
CAL01	Q102206		PYRENE	1.2760					20
CALO1	9102206		BENZYLBUTYLPHTHALATE (BUTYLBENZYLPH						11.1
CAL01	Q102206	• • • • • • • • • • • • • • • • • • • •	3,3'-DICHLOROBENZIDINE	0.2768			57.5	73	6.1
CAL01	₽102206		CHRYSENE	0.8825					14
CAL01	9102206		BIS(2-ETHYLHEXYL)PHTHALATE	0.8773					20.4
CALO1	0102206		DI-N-OCTYLPHTHALATE	2.7259					9.9
CAL01	Q102206	· · · · · · · · · · · · · · · · · · ·	BENZO(B)FLUORANTHENE (3,4-BENZOFLUO				127	E	
CALO1	Q102206		BENZO(K) FLUORANTHENE	1.3152					3.3
CAL01	9102206		BENZO(A)PYRENE	1.1457				************	3
CALO1	9102206		INDENO(1,2,3-CD)PYRENE	1,0132					31
CAL01	Q102206	+	DIBENZ(A, H)ANTHRACENE	0.8328					ા 12
CALO1	Q102206	<b>. </b>	BENZO(G,H,I)PERYLENE	0.8642					9.9
CAL01	9102206	• • • • • • • • • • • • • • • • • • • •	- 2-CHLORONAPHTHALENE	0.9642				£	
	1.02200		The state of the s		- 1		-31	or an are	13.6

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CAL01	Q102206		DIBENZOFURAN	1.3031					17
CAL01	Q102206		2-FLUOROPHENOL	0.9569			2000		6.6
CAL01	Q102206		PHENOL-D5	1,5643					9.6
CAL01	Q102206		NITROBENZENE-D5	0.3703			, (		5.2
CAL01	Q102206		2-FLUOROBIPHENYL	1.0483			1 1		17.4
CAL01	Q102206		2,4,6-TRIBROMOPHENOL	0.1128					7.4
CALO1	9102206		TERPHENYL-D14	1,0115					15.4
SAMPLE	A495440		Date and time of analysis	24-SEP-99	16:05:00		- JAM 11	27.85	
SAMPLE	A495440		See Cert. of Amelysis, Rep: 0					4 - a - a - a - a - a - a - a - a - a -	
SAMPLE	A495441	1	Date and time of analysis	24-SEP-99	16:51:00		, ',		-
SAMPLE	A495441		See Cert. of Analysis, Rep: 0						
SAMPLE	A495442		Date and time of analysis	24-SEP-99	17:36:00		- 25-0RC	74 100	<b>3</b>
SAMPLE	A495442		See Cert. of Analysis, Rep: 0		11.35.35				
SAMPLE	A495443		Date and time of analysis	24-SEP-99	18:21:00	125 to	-76	11.52°	
		1000	1	24-3EF-77	10.21.00		12 700	in the	
SAMPLE	A495443		See Cert. of Analysis, Rep: 0				rice early	CONVEY	
Run: R37		Analyst.: Reviewer:	L DOBBINS Run Date: 01-00 A BRADBURN Review Date: 04-00		Instrument:	GC/MS SVQA	- dout a		ori KNÇ t
CCVD	Q102456		Date and time of analysis	01-0CT-99	10:23:00				
CCVD	Q102456	1	PYRIDINE	1.0229		1.0777	. = -	- J	5.4
CCVD	Q102456		2-PICOLINE	1.1088		1.1395			2.8
CCVD	9102456	1	PHENOL	1.4082	•••	1.5564	-:		10.5
CCVD	Q102456		BIS(2-CHLOROETHYL)ETHER	1.2237		1.3006			6.3
CCVD	Q102456		2-CHLOROPHENOL	1.1649		1.2498	Manadament & Manad		7.3
	1		· A PORT OF THE PROPERTY OF TH	144 (21 145)	\$4.73 <b>84</b> 00		الموادية المستخدمة ا المراجعة المستخدمة ا		
CCYD	0102456		1,3-DICHLOROBENZENE (M-DICHLOROBENZE		Land Comment	1.3311			7.3
CCVD	Q102456		1,4-DICHLOROBENZENE (P-DICHLOROBENZE		100	1.3346	131.2		5.9
CCVD	Q102456		1,2-DICHLOROBENZENE (O-DICHLOROBENZE		303 6034#	1,2398			5.2
CCVD	Q102456		BENZYL ALCOHOL	,		0.7109	1 1 1 1		5.3
CCVD	Q102456		2-METHYLPHENOL (O-CRESOL)	0.9801	4.9 /	1.0614	<del>-</del> -		8.3
CCVD	Q102456		BIS(2-CHLOROISOPROPYL)ETHER	2.2044	di .	2.2773	- 14 To	78201	3.3
CCVD	<b>Q102456</b>		N-NITROSO-DI-N-PROPYLAMINE	0.9406		0,9934			5.6
CCVD	Q102456		4-METHYLPHENOL (P-CRESOL)	0.8975		0.9748			8.6
CCYD	Q102456		HEXACHLOROETHANE	0.5779	5.3	0.6199			7.3
CCVD	0102456	1	NITROBENZENE	0.3946	The state of the s	0.4165			5.5
CCVD	Q102456		ISOPHORONE	0.6992		0.7515			7.5
CCVD	Q102456	İ	2-NITROPHENOL	0.2099		0.2246			7
CCVD	Q102456		2,4-DIMETHYLPHENOL	0.3491		0.3733			6.9
CCVD	9102456	ļ	BIS(2-CHLOROETHOXY)METHANE	0.4390		0.4756			8.3
CCVD	Q102456		2,4-DICHLOROPHENOL	0.2917		0.3290			12.8
CCVD	Q102456		BENZOIC ACID	0.2469		0.2824	*S:-	1	14.4
CCAD	Q102456		1,2,4-TRICHLOROBENZENE	0.3401		0.3683			8.3
CCVD	Q102456		NAPHTHALENE	0.9082	1	0.9844		1:11	8.4
CCVD	Q102456		4-CHLOROANILINE	0.2583		0.4160			61.1
CCVD	Q102456	. G.U.S.	TOLUENEDIAMINE	.0.0079	ing makes	0.0087	1	1620	10.1
CCVD	9102456		HEXACHLOROBUTAD LENE	0.2014		0.2207			9.6
CCVD	Q102456		4-CHLORO-3-METHYLPHENOL (P-CHLORO-M	0.3088		0.3443	90%	ារ ថ	11.5
CCVD	B102456		2-METHYLNAPHTHALENE	0,5801		0.6387	· · · · · · · · · · · · · · · · · · ·		10.1
CCVD	Q102456	· · · · · · · · · · · · · · · · · · ·	HEXACHLOROCYCLOPENTADIENE	0.3114	· intofe		ะ รวกิเก	n shall	
CCVD	9102456		1,2,4,5-TETRACHLOROBENZENE	0.4563	* * * * * *	0.4830		and an in Library	5.9
CCVD	Q102456		2,4,6-TRICHLOROPHENOL	0.3765		0.4210	T S VINE	າ ຣ ະ <b>ຣ</b> ີ	••••
CCVD	Q102456		2,4,5-TRICHLOROPHENOL	0.3884		0,4241	- 12°17		9.2
CCVD	Q102456		2-CHLORONAPHTHALENE	0.9584		1.0466			9.2
CCVD	0102456		2-NITROANILINE (D-NITROANILINE)	0.3858		0.4203			8.9
CCVD	Q102456		DIMETHYLPHTHALATE	1.1330		1.2361	ា ។ ក្រុស្សា	* e- 4	9.1
1 3013		1		1		<b>.l</b>			7,9
CCVD	Q102456		12,6-DINITROTOLUENE	0.3215		0.3469			

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
CCVD	Q102456		ACENAPHTHYLENE	1.5515		1.6585			6.9
CCVD	Q102456		3-NITROANILINE (M-NITROANILINE)	0.2739		0.3558			29.9
CCVD	Q102456		ACENAPHTHENE	0.9874		1.0465			6
CCVD	Q102456		2,4-DINITROPHENOL	0.1980		0.1990			.5
CCVD	Q102456		4-NITROPHENOL	0.1605		0.1592			.8
CCVD	Q102456	1	DIBENZOFURAN	1.3034	]	1.4760			13.2
CCVD	9102456		2,4-DINITROTOLUENE	0.4266		0.4813			12.8
CCVD	Q102456	]	2,3,4,6-TETRACHLOROPHENOL	0.3293	<u> </u>	0.3654			11
CCVD	Q102456		DIETHYLPHTHALATE	1.2364		1.2918			4.5
CCVD	Q102456		FLUORENE	0.9895		1.0642			7.5
CCVD	0102456		4-CHLOROPHENYL-PHENYLETHER	0.5205		0.5702			9.5
CCVD	Q102456		4-NITROANILINE (P-NITROANILINE)	0.3540		0.3981			12.5
CCVD	<b>□102456</b>		N-NITROSODIPHENYLAMINE	0.4290		0.4670			8.9
CCVD	2102456		4-BROMODIPHENYL ETHER	0.1982		0.2206		7.0	11.3
CCVD	9102456		HEXACHLOROBENZENE	0.2463		0.2696			9.5
CCVD	Q102456		PENTACHLOROPHENOL	0.1481		0.1519			2.6
CCVD	9102456		PHENANTHRENE	0.8822		0.9497			7.7
CCVD	Q102456		ANTHRACENE	0.8284		0.9133			10.2
CCVD	Q102456		CARBAZOLE	1.4446		0.7819			45.9
CCVD	Q102456	l	DI-N-BUTYLPHTHALATE	1.1013		1.1670			6
CCVD	Q102456	•	FLUORANTHENE	0.9644		1.0269			6.5
CCVD	Q102456		PYRENE	1.2172	1.	1.2958			6.5
CCAD	9102456		BENZYLBUTYLPHTHALATE (BUTYLBENZYLPH	0.6719		0.7064			5.1
CCVD	Q102456		3,3'-DICHLOROBENZIDINE	0.2619		0.3746			43
CCVD	Q102456		CHRYSENE	1.0008		1.0919			9.1
CCVD	Q102456		BIS(2-ETHYLHEXYL)PHTHALATE	0.8404		0.8673			3.2
CCVD	0102456		DI-N-OCTYLPHTHALATE	1.9894		2.0779			4.4
CCVD	Q102456		BENZO(B) FLUORANTHENE (3,4-BENZOFLUO	1.2770		1.4593			14.3
CCVD	<b>₽102456</b>		BENZO(K)FLUORANTHENE	1.2291		1.3650			11.1
CCVD	Q102456		BENZO(A)PYRENE	1.0764	- 1	1.2237			13.7
CCVD	Q102456		INDENO(1,2,3-CD)PYRENE	1.1235		1,2404			10.4
CCVD	9102456		DIBENZ(A,H)ANTHRACENE	0.8726		0.9554			9.5
CCVD	Q102456		BENZO(G,H,I)PERYLENE	0.9215		1.0360			12.4
CCVD	Q102456		2-FLUOROPHENOL	1.0099		1.0503	-		4
CCVD	Q102456		PHENOL-D5	1.4724		1.5795			7.3
CCVD	Q102456		NITROBENZENE-D5	0.3862		0.4119			6.7
CCVD	Q102456		2-FLUOROBIPHENYL	1.0701		1.1579			8.2
CCVD	Q102456		2,4,6-TRIBROMOPHENOL	0.1344		0.1471			9.4
CCVD	Q102456		TERPHENYL-D14	0.8980		0.9499			5.8
BLA02	Q102398	HLI	Date and time of analysis	01-OCT-99	15:21:00				
BLA02	Q102398	HL1	ACENAPHTHENE			BDL 10	ug/L		
BLA02	Q102398	HLI	ACENAPHTHYLENE			BDL 10	ug/L		
BLA02	Q102398	HLI	ANTHRACENE			BDL 10	ug/L		
BLA02	Q102398	HLI	BENZO(A)PYRENE	]		BDL 10	ug/L		
BLA02	9102398	HLI	BENZO(B)FLUORANTHENE (3,4-BENZOFLUO	<b>F</b>		BDL 10	ug/L		
BLA02	Q102398	HLI	BENZO(G,H,I)PERYLENE		]	BDL 10	ug/L		
BLA02	9102398	HLI	BENZO(K)FLUORANTHENE			BDL 10	ug/L		
BLA02	Q102398	HLI	BENZYL ALCOHOL	]	1	BDL 10	ug/L		
BLA02	e102398	HL I	BENZYLBUTYLPHTHALATE (BUTYLBENZYLPH			BDL 10	ug/L		
BLA02	Q102398	HLI	BIS(2-CHLOROETHOXY)METHANE			BDL 10	ug/L		
BLAOZ	Q102398	HL1	BIS(2-CHLOROETHYL)ETHER			BDL 10	ug/L		
BLA02	Q102398	HLI	BIS(2-CHLOROISOPROPYL)ETHER			BDL 10	ug/L		1
BLA02	Q102398	and annual processing	BIS(2-ETHYLHEXYL)PHTHALATE			BDL 10	ug/L		
BLA02	Q102398	HLI	4-BROMODIPHENYL ETHER			BDL 10	ug/L		

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QC Type	Lab ID	Source	Parameter	True/Sampi	Spike Val	Observed	Units	% Rec	RPD
BLA02	Q102398	HLI	CARBAZOLE			BDL 10	ug/L		
BLA02	Q102398	HLI	4-CHLOROANILINE			BDL 10	ug/L		
BLA02	Q102398	HLI	2-CHLORONAPHTHALENE			BDL 10	ug/L		
BLA02	Q102398	HLI	4-CHLOROPHENYL-PHENYLETHER			BDL 10	ug/L		
BLA02	Q102398	HLI	CHRYSENE			BDL 10	ug/L		
BLA02	Q102398	HLI	DIBENZ(A,H)ANTHRACENE			BDL 10	ug/L		
BLA02	9102398	HLI	DIBENZOFURAN			BDL 10	ug/L		
BLA02	0102398	HLI	1,2-DICHLOROBENZENE (O-DICHLOROBENZE			BDL 10	ug/L		
BLA02	Q102398	HL1	1,3-DICHLOROBENZENE (M-DICHLOROBENZE			BDL 10	ug/L		
BLA02	Q102398	HLI	1,4-DICHLOROBENZENE (P-DICHLOROBENZE			BDL 10	ug/L		1
BLAOZ	Q102398	HLI	3,3'-DICHLOROBENZIDINE			BDL 20	ug/L		
BLA02	Q102398	HLI	DIETHYLPHTHALATE			BDL 10	ug/Ł		<u> </u>
BLA02	Q102398	HLI	DIMETHYLPHTHALATE			BDL 10	ug/L		
BLA02	Q102398	HLI	DI-N-BUTYLPHTHALATE			BDL 10	ug/L	S. Fr. 52	1
BLA02	Q102398	HLI	2,4-DINITROTOLUENE			BOL 10	ug/L		
BLA02	Q102398	HLI	2,6-DINITROTOLUENE			BDL 10	ug/L	7.	1
BLA02	Q102398	HLI	DI-N-OCTYLPHTHALATE			BDL 10	ug/L		
BLA02	Q102398	HLI	FLUORANTHENE			BDL 10	ug/L		
BLA02	Q102398	HLI	FLUORENE			BDL 10	ug/L		
BLA02	9102398	HLI	HEXACHLOROBENZENE			BDL 10	ug/L	-	
BLA02	Q102398	HLI	HEXACHLOROBUTAD I ENE			BDL 10	ug/L		
BLA02	Q102398	HLI	HEXACHLOROCYCLOPENTAD I ENE			BDL 10	ug/L		1
BLA02	9102398	HLI	HEXACHLOROETHANE			BDL 10	ug/L		
BLA02	Q102398	HLI	INDENO(1,2,3-CD)PYRENE		-	BDL 10	ug/L		
BLA02	Q102398	HLI	ISOPHORONE			BDL 10	ug/L		
BLA02	Q102398	HLI	2-METHYLNAPHTHALENE		· .	BDL 10	ug/L		
BLAOZ	Q102398	HLI	NAPHTHALENE			BDL 10	ug/L		
BLA02	Q102398	HLI	2-NITROANILINE (O-NITROANILINE)			BDL 50	ug/L		1
BLA02	Q102398	HLI	3-NITROANILINE (M-NITROANILINE)			BDL 50	ug/L		
BLA02	Q102398	HLI	4-NITROANILINE (P-NITROANILINE)	Jan 1		BDL 50	ug/L		
BLA02	Q102398	HLI	NITROBENZENE			BDL 10	ug/L		
BLA02	Q102398	HLI	N-NITROSODIPHENYLAMINE			BDL 10	ug/L		
BLA02	0102398	HL1	N-NITROSO-DI-N-PROPYLAMINE			BDL 10	ug/L		
BLA02	Q102398	HLI	PHENANTHRENE			BDL 10	ug/L		
BLA02	0102398	HLI	2-PICOLINE			BDL 50	ug/L		
BLA02	Q102398	HLI	PYRENE			BDL 10	ug/L		
BLA02	Q102398	HLI	PYRIDINE			BDL 50	ug/L		
BLA02	Q102398	HLI	1,2,4,5-TETRACHLOROBENZENE	1		BDL 10	ug/L		
BLA02	9102398	HLI	1,2,4-TRICHLOROBENZENE			BDL 10	ug/L		
BLA02	Q102398	HLI	BENZOIC ACID			BDL 50	ug/L		
BLA02	Q102398	HLI	4-CHLORO-3-METHYLPHENOL (P-CHLORO-M			BDL 10	ug/L		
BLA02	Q102398	HLI	2-CHLOROPHENOL			BDL 10	ug/L		
BLAOZ	9102398	HLI	2,4-DICHLOROPHENOL			BDL 10	ug/L		
BLA02	Q102398	HLI	2,4-DIMETHYLPHENOL			BDL 10	ug/L	, J-1	
BLA02	Q102398	HLI	2,4-DINITROPHENOL			BDL 50	ug/L		
BLA02	Q102398	HLI	2-METHYLPHENOL (O-CRESOL)			BDL 10	ug/L		Ī
BLA02	9102398	HLI	4-METHYLPHENOL (P-CRESOL)			BDL 10	ug/L		
BLA02	Q102398	HLI	2-NITROPHENOL			BDL 10	ug/L	1 3 × 1	
BLA02	Q102398	HL1	4-NITROPHENOL			BDL 50	ug/L		
BLA02	Q102398	HLI	PENTACHLOROPHENOL			BDL 50	ug/L		
BLA02	Q102398	HLI	PHENOL			BOL 10	ug/L		
BLA02	Q102398		2,3,4,6-TETRACHLOROPHENOL			BDL 10	ug/L		
BLA02	Q102398		2,4,5-TRICHLOROPHENOL			BOL 50	ug/L		
BLA02	Q102398		2,4,6-TRICHLOROPHENOL			BDL 10	ug/L	- د. انگ	- 2
L			1		<u>l</u>	1	7475	<u> </u>	

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Heritage's liability associated with the performance of the work shall be limited to the reperformance of the work or refund of compensation received from the Client.

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
BLA02	Q102398	HL1	2-FLUOROPHENOL					43	
BLA02	Q102398	HLI	PHENOL-D5			)	ì	30	Ì
BLAOZ	Q102398	HLI	NITROBENZENE-D5					81	
BLA02	Q102398	HLI	2-FLUOROBIPHENYL					86	<u>.</u>
BLA02	Q102398	HLI	2,4,6-TRIBROMOPHENOL					76	
BLA02	Q102398	HLI	TERPHENYL-D14					85	
LCS	0102398	HLI	Date and time of analysis	01-0CT-99	16:11:00				
LCS	Q102398	HLI	ACENAPHTHENE	100		99.4	ug/L	99.4	.,
LCS	Q102398	HLI	ACENAPHTHYLENE	100		85.7	ug/L	85.7	
LCS	Q102398	HLI	ANTHRACENE	100		90.2	ug/L	90.2	l
rcs	Q102398	HLI	BENZO(A)PYRENE	100		97.1	na\r	98	
LCS	Q102398	HLI	BENZO(B)FLUORANTHENE (3,4-BENZOFLUOR	100		101	ug/L	101.3	1
LCS	Q102398	HLI	BENZO(G,H,1)PERYLENE	100		96.3	ug/L	96.3	
LCS	Q102398	HLI	BENZO(K) FLUORANTHENE	100		103	ug/L	103.5	
LCS	Q102398	HLI	BENZYL ALCOHOL	100		77.1	ug/L	77.1	
LCS	Q102398	HLI	BENZYLBUTYLPHTHALATE (BUTYLBENZYLPHT	100		106	ug/L	106.1	
LCS	0102398	HL1	BIS(2-CHLOROETHOXY)METHANE	100		87.6	ug/L	87.6	
LCS	Q102398	HLI	BIS(2-CHLOROETHYL)ETHER	100		76.3	ug/L	76.3	
LCS	Q102398	HLI	BIS(2-CHLOROISOPROPYL)ETHER	100		74.8	ug/L	74.8	
LCS	Q102398	HLI	BIS(2-ETHYLHEXYL)PHTHALATE	100		113	ug/L	113.1	
LCS	Q102398	HLI	4-BROMODIPHENYL ETHER	100		89.4	ug/L	89.4	
LCS	Q102398	HLI	CARBAZOLE	100		110	ug/L	110.4	
LCS	Q102398	HLI	4-CHLOROANILINE	100		135	ug/L	135.8	
LCS	Q102398	HLI	2-CHLORONAPHTHALENE	100		114	ug/L	114.1	
LCS	Q102398	HL1	4-CHLOROPHENYL-PHENYLETHER	100		96.1	ug/L	96.1	
LCS	Q102398	HLI	CHRYSENE	100		99.1	ug/L	99.1	
LCS	Q102398	HLI	DIBENZ(A,H)ANTHRACENE	100		98.2	ug/L	98.2	
LCS	Q102398	HLI	DIBENZOFURAN	100		98.9	ug/L	98.9	
LCS	Q102398	HLI	1,2-DICHLOROBENZENE (O-DICHLOROBENZI	100		70.1	ug/L	70.1	
LCS	Q102398	HLI	1,3-DICHLOROBENZENE (M-DICHLOROBENZI	100		68	ug/L	68	
LCS	Q102398	HLI	1,4-DICHLOROBENZENE (P-DICHLOROBENZ	100		67.9	ug/L	67.9	
LCS	Q102398	HLI	3,3'-DICHLOROBENZIDINE	100		147	ug/L	148	1
LCS	Q102398	HLI	DIETHYLPHTHALATE	100		105	ug/L	105.4	
LCS	Q102398	HLI	DIMETHYLPHTHALATE	100		99.9	ug/L	99.9	
LCS	Q102398	HLT	DI-N-BUTYLPHTHALATE	100		98.1	ug/L	98.1	
LCS	Q102398	HLI	2,4-DINITROTOLUENE	100		104	ug/L	104.7	
LCS	Q102398	HLI	2,6-DINITROTOLUENE	100		101	ug/L	101.4	
LCS	Q102398	HLI	DI-N-OCTYLPHTHALATE	100		114	ug/L	114.9	
LCS	9102398	HLI	FLUORANTHENE	100		88	ug/L	88	
LCS	Q102398		FLUORENE	100		99.4	ug/L	99.4	
LCS	Q102398	HL1	HEXACHLOROBENZENE	100		90.5	ug/L	90.5	
LCS	Q102398		HEXACHLOROBUTAD I ENE	100	The state of the s	69.4	ug/L	69.4	
LCS	Q102398	HLI	HEXACHLOROCYCLOPENTADIENE	100		43.2	ug/L	43.2	
LCS	Q102398		HEXACHLOROETHANE	100		68.5	ug/L	68.5	
LCS	Q102398		INDENO(1,2,3-CD)PYRENE	100		97	ug/L	97	
LCS	Q102398		ISOPHORONE	100	***************************************	88.1	ug/L	88.1	
LCS	9102398		Z-METHYLNAPHTHALENE	100		83.3	ug/L	83.3	
LCS	q102398		NAPHTHALENE	100		81.4	ug/L	81.4	1
LCS	Q102398		2-NITROANILINE (O-NITROANILINE)	100		107	ug/L	107.3	
LCS	Q102398	***	3-NITROANILINE (M-NITROANILINE)	100		130	ug/L	130.7	
LCS	Q102398		4-NITROANILINE (P-NITROANILINE)	100		111	ug/L	111.2	
LCS	Q102398		NITROBENZENE	100		84.3	ug/L	84.3	
LCS	g102398		N-NITROSODIPHENYLAMINE	100		170	ug/L	170.1	
LCS	Q102398		N-NITROSO-DI-N-PROPYLAMINE	100		79.1	ug/L	79.1	

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LCS	Q102398	HLI	PHENANTHRENE	100		91.2	ug/L	91.2	
LCS	Q102398	HLI	2-PICOLINE	100		64.2	ug/L	64.2	
LCS	Q102398	HLI	PYRENE	100		104	ug/L	104.7	
LCS	Q102398	HLI	PYRIDINE	100		54.8	ug/L	54.8	
LCS	Q102398	HLI	1,2,4,5-TETRACHLOROBENZENE	100		90.6	ug/L	90.6	
LCS	Q102398	HLI	1,2,4-TRICHLOROBENZENE	100		76	ug/L	76	
LCS	Q102398	HLI	BENZOIC ACID	100		1 0,00	ug/L	0	
LCS	Q102398	HLI	4-CHLORO-3-METHYLPHENOL (P-CHLORO-M-	100		91.4	ug/L	ÿ <b>91.</b> 4	
LCS	Q102398	HL1	2-CHLOROPHENOL	100		72.5	ug/L	72.5	
LCS	Q102398	HLI	2,4-DICHLOROPHENOL	100		85.3	ug/L	85.3	
LCS	Q102398	HLI	2,4-DIMETHYLPHENOL	100		68.4	ug/L	68.4	
LCS	Q102398	HLI	2,4-DINITROPHENOL	100		79.7	ug/L	·· 79.7	
LCS	Q102398	HLI	2-METHYLPHENOL (O-CRESOL)	100		71.6	Ug/L	71.6	
LCS	0102398	HLI	4-METHYLPHENOL (P-CRESOL)	100		66	ug/L	02 <b>66</b>	24 .
LCS	0102398	HLI	Z-NITROPHENOL	100		83.3	ug/L	83.3	
LCS	Q102398	HLI	4-NITROPHENOL	100		38.9	ug/L	<sup>::</sup> 38.9	1
LCS	Q102398	HLI	PENTACHLOROPHENOL	100		87	ug/L	87	
LCS	Q102398	HLI	PHENOL	100		39.7	ug/L	39.7	
LCS	Q102398	HLI	2,3,4,6-TETRACHLOROPHENOL	100		91.1	na\r	92	
LCS	Q102398	HLI .	2,4,5-TRICHLOROPHENOL	100		95.5	ug/L	95.5	ļ ·
LCS	Q102398	HLI	2,4,6-TRICHLOROPHENOL	100		90.8	ug/L	90.8	
SAMPLE	A495444		Date and time of analysis	01-0CT-99	17:00:00				
SAMPLE	A495444		See Cert. of Analysis, Rep: 0						
SAMPLE	A495445		Date and time of analysis	01-0CT-99	17:50:00				
SAMPLE	A495445		See Cert. of Analysis, Rep: 0						10000

Run: R37		Analyst.: Reviewer:			nstrument:	GC/MS VOA	_	. : .7	
QC Type	Lab ID	Source	Parameter	True/Sampl	Spike. Val	Observed	Units	% Rec	RPD
CCVD	Q102092		Date and time of analysis	21-SEP-99	05:25:00				
CCVD	Q102092		DICHLORODIFLUOROMETHANE	0.2363		0.2692			13.9
CCVD	Q102092		CHLOROMETHANE	0,1906		0.2225			16.7
CCVD	Q102092		VINYL CHLORIDE	0.1969		0.2360			19.9
CCVD	Q102092		BROMOMETHANE	0.1435		0.1852			29.1
CCVD	Q102092		CHLOROETHANE	0.0943		0.1340			42.1
CCVD	9102092		TRICHLOROFLUOROMETHANE	0.4533		0.5817			28.3
CCVD	<b>Q102092</b>		ACROLEIN	0.0404		0.0056			86.1
CCVD	Q102092		1,1-DICHLOROETHENE	0.1991		0.2236			12.3
CCVD	Q102092		ACETONE (2-PROPANONE)	0.0075		0.0007			90.7
CCVD	Q102092		CARBON DISULFIDE	0.6064		0.7584			25.1
CCVD	Q1020 <del>9</del> 2		DICHLOROMETHANE (METHYLENE CHLORIDE	0.1740	:	0.1738	`a	\$ 145 m	.1
CCVD	Q102092		ACRYLONITRILE	0.0744		0.0207			72.2
CCVD	Q102092		1,1-DICHLOROETHANE	0.4713		0.5959			26.4
CCVD	9102092		VINYL ACETATE	0.0096		0.0097			1
CCVD	9102092		METHYL ETHYL KETONE	0.0208		0.0242	100	7,53	16.3
CCVD	0102092		TETRAHYDROFURAN	0.0099		0.0142			43.4
CCVD	Q102092		CHLOROFORM	0.4753		0.5519			16.1
CCVD	Q102092		1,1,1-TRICHLOROETHANE	0.5058		0.6237			23.3
CCVD	9102092		CARBON TETRACHLORIDE	0.4663		0.5491	-		17.8
CCVD	Q102092		BENZENE	0.8058		0.8975			11.4
CCVD	Q102092	1	1,2-DICHLOROETHANE	0.1763		0.2355	) in 1988	7.73	33.6

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CCVD	Q102092		TRECHLOROETHENE	0.3749		0.3514			6.3
CCVD	Q102092		1,2-DICHLOROPROPANE	0.2835		0.3056			7.8
CCVD	Q10209Z		CIS-1,3-DICHLOROPROPENE	0.3059		0.3262			6.6
CCVD	Q102092		TOLUENE	0.9408		0.8884			5.6
CCVD	Q102092		TRANS-1,3-D1CHLOROPROPENE	0.1983		0.2221			12
CCVD	Q102092		1,1,2-TRICHLOROETHANE	0.1075		0.1015			5.6
CCVD	9102092		TETRACHLOROETHENE	0.7149		0,6907			3.4
CCVD	Q102092		2-HEXANONE	0.0959		0.0863			10
CCVD	0102092		D1BROMOCHLOROMETHANE	0.3016		0.3163			4.9
CCVD	Q102092		CHLOROBENZENE	0.8909		0.9180			3
CCVD	9102092		STYRENE	0.8194		0.8709			6.3
CCVD	Q102092		BROMOFORM	0.1566		0.1291			17.6
CCVD	Q102092		1,1,2,2-TETRACHLOROETHANE	0.4189		0.6107			45.8
CCVD	Q102092		FITHYL BENZENE	0.5183		0.6206		41.4	19.7
CCVD	0102092		DICHLOROETHANE-D4	0.1670		0.2009			20.3
CCVD	Q102092		TOLUENE-D8	0.8856		0.7786		O*   30	12.1
CCVD	Q102092		4-BROMOFLUOROBENZENE	0.4174		0.3600			13.8
BLA01	Q102092		Date and time of analysis	21-SEP-99	06:09:00				
BLA01	Q10209Z		DICHLORODIFLUOROMETHANE			BDL 1.0	ug/L		
BLA01	Q102092		CHLOROMETHANE			BDL 1.0	ug/L		
BLA01	Q102092		VINYL CHLORIDE			BDL 1.0	UB/L		
BLA01	Q102092		BROMOMETHANE			BDL 1.0	ug/L		
BLA01	Q102092		CHLOROETHANE	7	7.4	BDL 1.0	ug/L		
BLA01	9102092		TRICHLOROFLUOROMETHANE	bi sirat	e la tarte de la composición del composición de la composición de la composición de la composición de la composición del composición de la composición del composición de la composición del composición del composición del composición del composición del composición del composición d	BDL 1.0	ug/L		
BLA01	Q102092		ACROLEIN			BDL 25	ug/L		
BLA01	Q102092		1,1-DICHLOROETHENE			BDL 1.0	ug/L		
BLA01	Q10209Z		ACETONE (2-PROPANONE)			BDL 10	ug/L		
BLA01	Q102092		CARBON DISULFIDE			BDL 1.0	ug/L		
BLA01	Q102092		DICHLOROMETHANE (METHYLENE CHLORIDE			BDL 1.0	ug/L		
BLA01	Q102092		ACRYLONITRILE	/	<i>"</i>	BDL 5.0	ug/L		
BLA01	9102092		1,1-DICHLOROETHANE			BDL 1.0	ug/L		
BLA01	Q102092		VINYL ACETATE			BDL 1.0	ug/L		
BLA01	Q102092		METHYL ETHYL KETONE			BDL 5.0	ug/L		
BLA01	Q102092		TETRAHYDROFURAN			BDL 15	ug/L		
BLA01	9102092		CHLOROFORM			BDL 1.0	ug/L		
BLA01	Q102092	<b> </b>	1,1,1-TRICHLOROETHANE			BDL 1.0	ug/L		
BLA01	9102092		CARBON TETRACHLORIDE			BDL 1.0	Ug/L		
BLA01	Q102092		BENZENE			BDL 1.0	ug/L		
BLA01	9102092		1,2-DICHLOROETHANE			BDL 1.0	ug/L		
BLA01	Q102092		TRICHLOROETHENE		***************************************	BDL 1.0	ug/L		
BLA01	Q102092		1,2-DICHLOROPROPANE			BDL 1.0	ug/L		
BLA01	Q102092		CIS-1,3-DICHLOROPROPENE			BDL 1.0	ug/L		
BLA01	Q102092		TOLUENE			BDL 1.0	ug/L		
BLA01	Q102092		TRANS-1,3-DICHLOROPROPENE			BDL 1.0	ug/L	Single S	
BLA01	Q102092		1,1,2-TRICHLOROETHANE			BDL 1.0	ug/L		
BLA01	Q102092		TETRACHLOROETHENE			BDL 1.0	ug/L		
BLA01	0102092	• • • • • • • • • • • • • • • • • • • •	2-HEXANONE		1.1	BDL 5.0	ug/L		
BLA01	9102092		DIBROMOCHLOROMETHANE		, ***	BDL 1.0		F. 1	
BLA01	0102092		CHLOROBENZENE			BDL 1.0	ug/L		
BLA01	0102092		STYRENE			BDL 1.0	ug/L		
BLA01	Q102092		BROMOFORM			BDL 1.0	ug/L		
BLA01	Q102092	. <b>.</b>	1,1,2,2-TETRACHLOROETHANE			BDL 1.0	ug/L		.
BLA01	Q102092		ETHYL BENZENE			BDL 1.0	ug/L		
BLA01	9102092	· 1.	DICHLOROETHANE-D4	.]	1			100	

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	Observed	Units	% Rec	RPD
BLA01	Q102092		TOLUENE-D8					105	
BLA01	9102092		4-BROMOFLUOROBENZENE	•				117	
LCSD1	Q102092		Date and time of analysis	21-SEP-99	06:53:00				
LCS01	9102092		1,1,2,2-TETRACHLOROETHANE	10.0		14.1	ug/L	149.8	1
LCS01	Q102092		ACROLEIN	50.0		1.20	ug/L	2.4	
LCS01	Q102092	İ	VINYL ACETATE	10.0		17.2	ug/L	172.4	1
SAMPLE	A495440		Date and time of analysis	21-SEP-99	09:10:00				
SAMPLE	A495440		See Cert. of Analysis, Rep: 0			[		FY	
SAMPLE	A495441		Date and time of analysis	21-SEP-99	09:44:00				
SAMPLE	A495441		See Cert. of Analysis, Rep: 0				<b>\</b>		
SAMPLE	A495442		Date and time of analysis	21-SEP-99	10:18:00				
SAMPLE	A495442		See Cert. of Analysis, Rep: 0		<u> </u>		12.2	71 7 -	-
SAMPLE	A495443		Date and time of analysis	21-SEP-99	10:53:00				
SAMPLE	A495443		See Cert. of Analysis, Rep: 0				(m)	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
SAMPLE	A495444		Date and time of analysis	21-SEP-99	11:27:00				
SAMPLE	A495444		See Cert. of Analysis, Rep: 0		1	1	1,197	45 A	1.
SAMPLE	A495445		Date and time of analysis	21-SEP-99	12:01:00			**************************************	
SAMPLE	A495445		See Cert. of Analysis, Rep: 0					•••••••	
SPI01	Q102092	A495441	Date and time of analysis	21-SEP-99	12:36:00				
SPI01	Q102092	A495441	BENZENE	0	10.0	11.4	ug/L	113.5	
SPI01	Q102092	A495441	CARBON TETRACHLORIDE	0	10.0	12.5	ug/L	125.3	
SPI01	Q102092	A495441	1,2-DICHLOROETHANE	0	10.0	14.3	ug/L	143.3	
SPI01	Q102092		1,1-DICHLOROETHENE	0	10	10.1	ug/L	101	
SPI01	9102092	A495441	1,1,1-TRICHLOROETHANE	0	10.0	13.4	ug/L	133.6	1
SP101	0102092	A495441	TRICHLOROETHENE	0	10.0	9.60	ug/L	96	
SPI01	Q102092	A495441	VINYL CHLORIDE	0	10.0	12.1	ug/L	129.5	1
SPI01	Q102092	A495441	BROMODICHLOROMETHANE	0	10.0	12.3	ug/L	122.7	
SPI01	Q102092	A495441	BROMOFORM	0 .	.10.0	7.78	ug/L	77.8	
SP101	Q102092	A495441	BROMOMETHANE	0	10.0	14.9	ug/L	148.5	
SPI01	Q102092	A495441	CHLOROBENZENE # SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTIO	.0	10.0	10.6	ug/L	105.6	
SPI01	9102092	<b> </b>	DIBROMOCHLOROMETHANE	0	10.0	10.3	ug/L	103.4	
SPI01	Q102092		CHLOROETHANE	0	10.0	17.5	ug/L	174.9	1
SPI01	0102092		CHLOROFORM	Ò	10.0	12.1	ug/L	129.8	
SPI01	Q102092		CHLOROMETHANE	0	10.0	12.3	ug/L	123.2	:
SPI01	Q10209Z		DICHLOROMETHANE (METHYLENE CHLORIDE	1 0	10.0	10.0	ug/L	100	
SPI01	9102092		1,1-DICHLOROETHANE	T 0	10.0	14.5	ug/L	145.3	
SPI01	Q102092		1,2-DICHLOROPROPANE	0	10.0	11.2	ug/L	111.9	
SPI01	9102092		CIS-1,3-DICHLOROPROPENE	0	10.0	11.4	ug/L	113.9	
SPI01	9102092		TRANS-1,3-DICHLOROPROPENE	0	10.0	11.3	ug/L	113.2	
SPI01	Q102092		ETHYL BENZENE	0	10.0	11.7	ug/L	116.7	
SPI01	9102092		STYRENE	0	10.0	9.57	ug/L	95.7	1
SPI01	Q102092		1,1,2-TRICHLOROETHANE	0	10.0	9.91	ug/L	99.1	
SPI01	9102092	1	1,1,2,2-TETRACHLORGETHANE	0	10.0	18.6	ng/r	185.6	
SPI01	Q102092		TETRACHLOROETHENE	0	10.0	9.90	ug/L	99	
SPI01	Q102092		TOLUENE	0	10.0	9.91	Ug/L	99.1	
SPI01	9102092		DICHLORODIFLUOROMETHANE	0	10.0	10.3	ug/L	103.1	
SPI01	9102092	4	TRICHLOROFLUORONETHANE	0	10.0	13.9	ug/L	139.2	4
SPI01	Q102092		ACROLEIN	0	50.0	0.600	ug/L 7	1.2	
SP101	Q102092		ACETONE (2-PROPANONE)	o	50.0	84.5	ug/L	169	
SPI01	Q102092		ACRYLONITRILE	0	50.0	2.49	ug/L	5	
SPIO1	0102092		CARBON DISULFIDE	0	10.0	12.2	ug/L	121.8	
SPI01	Q102092		VINYL ACETATE	0	10.0	1 22.7	ug/L	227	
SPI01	Q102092		4-METHYL-2-PENTANONE	0	50.0	53.3	ug/L -	106.6	
	Q102092		2-HEXANONE						
SPI01	4102092	747J44 I	Z-HEXANUNE	0	50.0	41.3	ug/L	82.6	E:

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QC Type	Lab ID	Source	Parameter	True/Sampl	Spike Val	0bserved	Units	% Rec	RPD
DPS01	Q102092	A495441	Date and time of analysis	21-SEP-99	13:10:00				
DPS01	Q102092	A495441	BENZENE	0	10	11	ug/L	110	3.1
DPS01	Q102092	A495441	CARBON TETRACHLORIDE	0	10.0	12.4	ug/L	124	1
DPS01	Q102092	A495441	1,2-DICHLOROETHANE	0	10.0	12.8	ug/L	127.9	11.4
DPS01	Q102092	A495441	1,1-DICHLOROETHENE	0	10.0	8.69	ug/L	86.9	14.9
DPS01	Q102092	A495441	1,1,1-TRICHLOROETHANE	0	10.0	12.4	ug/L	123.9	7.5
DPS01	9102092	A495441	TRICHLOROETHENE	0	10.0	11.2	ug/L	112.4	15.7
DPS01	Q102092	A495441	VINYL CHLORIDE	0	10.0	9.87	ug/L	98.7	27
DPS01	Q102092	A495441	BROMODICHLOROMETHANE	0	10.0	11.8	ug/L	117.8	4.1
DPS01	Q102092	A495441	BROMOFORM	0	10.0	10.5	ug/L	105.4	30.1
DPS01	Q102092	A495441	BROMOMETHANE	0	10.0	12.5	ug/L	124.8	17.3
DPS01	Q102092	A495441	CHLOROBENZENE	0	10.0	11.3	ug/L	113	6.8
DPS01	Q102092	A495441	DIBROMOCHLOROMETHANE	0	10.0	11.2	ug/L	111.5	7.5
DPS01	Q102092	A495441	CHLOROETHANE	0	10.0	13.5	ug/L	135.1	25.7
DPS01	0102092	A495441	CHLOROFORM	0	10.0	12.2	ug/L	122.1	6.1
DPS01	Q102092	A495441	CHLOROMETHANE	0	10.0	9.27	ug/L	92.7	28.3
DPS01	0102092	A495441	DICHLOROMETHANE (METHYLENE CHLORIDE	0	10.0	8.96	ug/L	89.6	11
DPS01	Q102092	A495441	1,1-DICHLOROETHANE	0	10.0	11.7	ug/L	116.6	21.9
DPS01	Q10209Z	A495441	1,2-DICHLOROPROPANE	0	10.0	10.6	ug/L	106.3	5.1
DPS01	Q102092	A495441	CIS-1,3-DICHLOROPROPENE	0	10.0	11.3	ug/L	112.5	1.2
DPS01	Q102092	A495441	TRANS-1,3-DICHLOROPROPENE	0	10.0	11.2	ug/L	111.6	1.4
DPS01	Q102092	A495441	ETHYL BENZENE	0	10.0	11.1	ug/L	111	5
DPS01	9102092	A495441	STYRENE	0	10.0	10.7	ug/L	107.4	11.5
DPS01	Q102092	A495441	1,1,2-TRICHLOROETHANE	0	10.0	11.4	ug/L	113.8	13.8
DPS01	Q102092	A495441	1,1,2,2-TETRACHLOROETHANE	0	10.0	11.1	ug/L	111.3	50.1
DPS01	Q102092	A495441	TETRACHLOROETHENE	0	10.0	11.2	ug/L	111.7	12.1
DPS01	Q102092	A495441	TOLUENE	0	10.0	10.9	ug/L	109.4	9.9
DPS01	9102092	A495441	DICHLORODIFLUOROMETHANE	0	10.0	8.82	ug/L ~	88.2	15.6
DPS01	Q102092	A495441	TRICHLOROFLUOROMETHANE	0	10.0	12.2	ug/L	122.2	13
DPS01	Q102092	A495441	ACROLEIN	0	50.0	0.00	ug/L	0	200
DPS01	<b>Q</b> 102092	A495441	ACETONE (2-PROPANONE)	0	50.0	65.7	ug/L	131.4	25
DPS01	Q102092	A495441	ACRYLONITRILE	0	50.0	1.92	ug/L	3.8	27.3
DPS01	Q102092	A495441	CARBON DISULFIDE	0	10.0	9.37	ug/L	93.7	26.1
DPS01	Q102092	A495441	VINYL ACETATE	0	10	1 25	ug/L	250	9.6
DPS01	Q102092	A495441	4-METHYL-2-PENTANONE	0	50.0	49.4	ug/L	98.8	7.6
DPS01	Q102092	A495441	2-HEXANONE	0	50.0	34.6	ug/L	69.2	17.7

Office Comments Q102092 Recovery for 1,1,2,2-tetrachloroethane was high. It was BDL in the samples.

QC Sample Comments

! Outside Lab Generated Control Limits < Less Than Lower Detection Limit BDL Below Detection Limit

(NJB7020) Page B043

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TO ENSURE PROPER HANDLING OF S/ LES PLEASE COMPLETE THIS ENTIRE FORM

## HERITAGE ENVIRONMENTAL SERVICES

**COMMERCIAL LABORATORY OPERATIONS** 

7901 West Morris Street

Indianapolis, Indiana 46231 (317) 243-0811 Fax (317) 486-5095

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Co. Name: LOUG SEFF CO MSD			Analyses Requested (Note special detection limits or methods									Report To:			
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